LIST OF COURSES



UNIVERSITAS SEBELAS MARET

SURAKARTA, INDONESIA

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A. BACHELOR PROGRAM

Bachelor of Javanese Literature

Courses	Credits	Notes
SEMESTER 1		
Writing and Reading Javanese Alphabet	2	
Indonesian Language	2	
English I	2	
Basic Natural Science	2	
Javanese Listening and Reading Skills	2	
Religion Education	2	
Introduction to Philology	2	
Introduction to Cultural Sciences	2	
Introduction to Literature	2	
Introduction to Linguistics	2	
Javanese History	2	
Review the Pegon Manuscript	2	
SEMESTER 2		
Arabics Language	2	
Balinese Language	2	
English II	2	
Javanese Phonology	2	
Karawitan	2	
Indonesian Cultures	2	
Javanese Writing and Speaking Proficiency	2	
Java Computer	2	
Pancasila Education	2	
History of the Development of Philology	2	
Javanese Song	2	
Literary Theory	2	
SEMESTER 3		
Sanskrit Language	2	
Javanese Literature	2	
Javanese Ethics	2	
Javanese Culture	2	
Javanese Morphology	2	
Manuscript Preservation	2	
History of Literature	2	
Semiotics	2	
Old Javanese Grammar	2	
SEMESTER 4		
Dutch language	2	
Dialectology	2	
Javanese Philology	2	
Literary Criticism	2	
Lexicology and Javanese Lexicography	2	
Javanese Rhetoric	2	
History of Linguistics Genre	2	

Java Syntax	2	
Textology	2	
Study of Old and Middle Javanese Manuscripts	2	
Kritik TeksProse Study	2	
Poetry Study	2	
SEMESTER 5		
Wayang Language and Literature	2	
Philosophy of Language	2	
Folklore	2	
Journalism	2	
Discourse Study	2	
Reading Manuscripts	2	
Reading Old Javanese Texts	2	
Research Methodology	2	
Javanese Pragmatics	2	
Java Semantics	2	
Stylistics	2	
Drama study	2	
Classical Javanese Manuscript Study	2	
SEMESTER 6		
Literary Appreciation	2	
Ethnolinguistics	2	
Javanese Manuscript Study	2	
Codicology	2	
Literary Criticism	2	
Comparative Historical Linguistics	2	
Philological Research Methods	3	
Linguistic Research Methods	3	
Literary Research Methods	3	
Translation	2	
Scientific Writing of Javanese Language	3	
Javanese Creative Writing	3	
Editing	2	
Philology Laboratory Practice	2	
Psycholinguistics	2	
Literature Psychology	2	
Literary Reception	2	
Comparative Literature	2	
Sociolinguistics	2	
SEMESTER 7		
Philology Problems	2	
Linguistic Problems	2	
Literary Problems	2	
Philology Seminar	3	
Linguistics Seminar	3	
Literature Seminar	3	

Bachelor of Indonesian Literature

Courses	Credits	Notes
SEMESTER 1		
Indonesian Language	2	
English	2	
Folklore	2	
Indonesian Phonology	2	
Library Science	2	
Indonesian Cultures	2	
Pancasila	2	
Introduction to Philology	2	
Introduction to Cultural Sciences	2	
Introduction to Literature	2	
Introduction to General Linguistics	2	
SEMESTER 2		
Literary Appreciation	2	
Classic Malay Language	2	
Journalism	2	
Malay Culture	2	
Digital Literacy	2	
Indonesian Morphology	2	
Religion Education	2	
Scientific Writing	2	
Public Rhetoric	2	
Literary Theory	2	
SEMESTER 3		
Arabics	2	
Graphic design	2	
Photography	2	
Javanese Culture	2	
Entrepreneurship	2	
Language Editing	2	
Mystical Literature	2	
History of Philological Studies	2	
Semantics	2	
Syntax	2	
SEMESTER 4		
Dutch language	2	
Legal Language	2	
Codicology	2	
Literary Criticism	2	
Research Methodology	2	
Introduction to Pragmatics	2	
Introduction to Discourse	2	
History of Language Studies	2	
Literary Sociology	2	
SEMESTER 5		

Script Language	2	
Cyber Literature	2	
Manuscript Digitization	2	
Dramaturgy	2	
Aesthetics	2	
Classical Malay Aesthetics	2	
Acoustic Phonetics	2	
Hermeneutics	2	
Public Relations	2	
Tourism	2	
Broadcasting	2	
Lexicography	2	
Comparative Historical Linguistics	2	
Philological Research Methods	2	
Linguistic Research Methods	2	
Literary Research Methods	2	
Advertising	2	
Philology Practicum	2	
Comparative Literature	2	
Oral Literature and Traditions	2	
History of Linguistics Genre	2	
Semiotics	2	
Cinematography	2	
Stylistics	2	
Textology	2	
Morphological Theory	2	
Semantic Theory	2	
Syntax Theory	2	
SEMESTER 6		
Dialectology	2	
Ethnolinguistics	2	
Historiography	2	
Study of Record Management	2	
Capita Selecta Philology	2	
Capita Selekta Literature	2	
Manuscript Conservation	2	
Feminist Literary Criticism	2	
Literary Criticism	2	
Creative Writing	2	
Development of Literary Theory	2	
Manuscript Preservation	2	
Psycholinguistics	3	
Literature Psychology	2	
Children Literature	2	
Book Literature	2	
Malay Oral Literature	2	
Post-colonial Literature	2	
Pop Literature And Mass Culture	2	

Puppet Literature	2	
History of Indonesian Literature	2	
Translation Theory	3	
Pragmatic Theory	2	
Sociolinguistic Theory	2	
Language Typology	2	
SEMESTER 7		
Philology Comprehensive	4	
Linguistics Comprehensive	4	
Literature Comprehensive	4	

Bachelor of English Literature

Courses	Credits	Notes
SEMESTER 1		
Religion Education	2	
Indonesian Culture	2	
Indonesian Language	2	
Intermediate Integrated English (Reading and Writing)	2	
Intermediate Integrated English (Speaking and Listening)	2	
Intermediate Pronunciation	2	
Intermediate Structure	2	
Introduction to General Linguistics	2	
Introduction to Literary Studies	2	
SEMESTER 2		
Basic Translation Theory	2	
History of English Literature	2	
Introduction to Cultural Sciences	2	
Morpho-phonology	2	
Pancasila	2	
Upper Intermediate Integrated English (Reading and Writing)	4	
Upper Intermediate Integrated English (Speaking and Listening)	4	
Upper Intermediate Pronunciation	2	
Upper Intermediate Structure	2	
SEMESTER 3		
Advanced Integrated English (Reading and Writing)	4	
Advanced Integrated English (Speaking and Listening)	4	
Basic English - Indonesian Translation	2	
English Syntax	2	
Entrepreneurship	2	
Introduction to English Prose	2	
Introduction to Media Studies	2	

Research Methods	2	
SEMESTER 4		
Basic Indonesian - English Translation	2	
Cross Cultural Understanding	2	
Digital English	2	
English For Academic Publication	2	
Introduction to Cultural Studies	2	
Introduction to English Drama	2	
Javanese Culture	2	
Semantics	2	
Sociolinguistics	2	
Systemic Functional Grammar	2	
SEMESTER 5		
Editing for Translation	2	
English and Digital Literacy	2	
English for Business	2	
English for Journalism	2	
English for Public Relations	2	
English for Tourism	2	
Gender and Culture	2	
Introduction to English Poetry	2	
Systemic Functional Grammar and Discourse	2	
SEMESTER 6		
Advanced Translation Theory	2	
American Ethnics	2	
American History	2	
American Studies Research Method	2	
American Thoughts	2	
Background of English and American Literature	2	
British Drama	2	
British Poetry	2	
British Prose	2	
Critical Discourse Analysis	2	
English For Academic Purposes	2	
English-Indonesian Translation	2	
Gender in America	2	
Indonesian-English Translation	2	
Integrated English	2	
Literary Research Method	2	
Pragmatics	2	
Systemic Functional Linguistics	2	
Theory of Literature	2	
SEMESTER 7		
American Drama	2	
American Poetry	2	
American Popular Culture	2	
American Prose	2	

American Studies Miscellany	4	
Film and Literature	2	
Interpreting	4	
Language Acquisition	4	
Linguistics Research Methods	4	
Literary Criticism	2	
Media and Cultural Identity	2	
Popular and Minority Literature	2	
Seminar on American Studies	2	
Seminar on Linguistics	2	
Seminar on Literature	2	
Seminar on Translation	2	
Systemic Functional Discourse Analysis	4	
Translation Research Methods	4	

Bachelor of History

Courses	Credits	Notes
SEMESTER 1		
Religion Education	2	
English I	2	
Indonesian Language	2	
Introduction to Cultural Sciences	2	
Introduction to Historical Sciences	2	
Introduction to Indonesian History	2	
History of East Asia	2	
History of Classic Europe	2	
SEMESTER 2		
English II	2	
Indonesian Culture	2	
Javanese Culture	2	
Entrepreneurship	2	
History Method	3	
Civic Education	2	
Pancasila Education	2	
History of South Asia	2	
History of Medieval Europe	2	
History of New Indonesia I	3	
SEMESTER 3		
Anthropology	2	
Source of Dutch Language	2	
General Historiography	2	
Agrarian History I	2	
History of West Asia	2	
History of Modern Europe	2	
History of the National Movement I	2	
Urban History	2	

Socio-Economic History of Indonesia	2	
Sociology	2	
SEMESTER 4		
Source of Dutch Language II	2	
The Ecology of Javanese Culture	2	
Folklore	2	
Historiography of Indonesia	2	
Agrarian History II	2	
History of Southeast Asia	2	
The History of Old Indonesia	2	
History of State Administration	2	
Military History	2	
History of the National Movement II	2	
Urban History I	2	
Indonesian Socio-Economic History	2	
SEMESTER 5		
Source of Dutch Language III	2	
Source of Javanese Language I	2	
Philosophy of History	2	
Library Science II	2	
Archival Study II	2	
Tourism	2	
Research Practicum of Oral History Sources	3	
History of the Australian and Pacific Region	2	
Contemporary History I	2	
Oral History	2	
History of Javanese Thinking	2	
History of the Performing Art	2	
Historical Theories	2	
SEMESTER 6		
Source of Dutch Language IV	2	
Javanese Language Source	2	
Journalism Fundamentals	2	
Indonesian Islamic Dynamics	2	
Capita Selecta History of Indonesia	3	
Historical Methodology	2	
Museology	2	
Written History Research Practicum	3	
American History	2	
Contemporary History II	2	
History Seminar	2	

Bachelor of Fine Arts

Courses	Credits	Notes
SEMESTER 1		
Religion Education	2	

English	2	
Basic Photography	3	
Computer Graphics	3	
Nirmana Dwimatra	3	
Introduction to Fine Arts and Design	2	
History of World Fine Arts	2	
Sketch	3	
SEMESTER 2		
Indonesian Language	2	
Fundamental Philosophy and History of Modern Thought	2	
Fundamental Philosophy and History of Modern Thinking	2	
Drawing Objects	3	
Nirmana Trimatra	3	
Indonesian Ornaments	3	
Civic Education	2	
Upper Intermediate Integrated English (Speaking and Listening)	2	
Projections and Perspectives	3	
History of Indonesian Fine Arts	3	
SEMESTER 3		
Aesthetics	4	
Philosophy of Art	4	
Cultural Studies	2	
Traditional Art Studies	2	
Javanese Culture	2	
High Print Graphics Laboratory**	5	
Basic Ceramic Laboratory**	5	
Basic Painting Laboratories**	5	
Basic Sculpture Laboratory**	5	
Drawing Human	3	
Creation Methodology	2	
Research Methodology	2	
Indonesian Ornaments	3	
Scientific Writing	3	
History of Asian Fine Arts	2	
Graphic Studio I	5	
SEMESTER 4		
Cultural Dynamics	2	
Calligraphy And Typography	3	
Computer Graphics II	3	
Drawing Model	3	
Qualitative Research Methods	2	
Sociology of the Arts	2	
Graphic Studio II	5	
Ceramic Studio II	5	
Painting Studio II	5	

Sculpture Studio II	5	
SEMESTER 5		
Visual Culture	2	
Drawing Model II	3	
Art Creation Methodology	2	
Psychology of Art	2	
Seminars	2	
Sculpture Minor Study	3	
Graphic Studio III	5	
Painting Studio III	5	
Studio Minor Graphics	3	
Ceramic Minor Studio	3	
Studio Minor Painting	3	
Sculpture Studio III	5	
Modern Art Overview	2	
SEMESTER 6		
Capita Selecta	2	
Entrepreneurship	2	
Art Criticism	2	
Art Management	2	
Pancasila Education II	2	
Art Studies	3	
Monumental Art	3	
Multimedia Arts	3	
Art Education Strategy	2	
Graphic Studio IV	5	
Ceramic Studio IV	5	
Painting Studio IV	5	
Sculpture Studio IV	5	
SEMESTER 7		
Animation	3	
Accessories	3	
Batik	3	
Filter Printing	3	
Creative Experiments	3	
Colloquium	3	
Student Internship Lectures/Studio studies	3	
Reprint Method	3	
Studium General	2	
Interior Textiles	3	
Websites	3	

Bachelor of Visual Communication Design

Courses	Credits	Notes
SEMESTER 1		
English	2	
Basic Photography	3	
Computer Graphics	3	

Drawing Humans	3	
Nirmana Dwimatra	3	
Religion Education	2	
Introduction to Fine Arts and Design	2	
History of World Art	2	
Sketch	3	
SEMESTER 2		
Fundamental Philosophy and History of Modern Thought	2	
Drawing Objects	3	
Drawing Projections and Perspectives	3	
Nirmana Trimatra	3	
Civic Education	2	
History of Indonesian Fine Arts	2	
Sketch (p)	2	
SEMESTER 3		
Visual Communication Design I	4	
Aesthetics	2	
Philosophy of Art	2	
Illustration I	3	
Javanese Cultural Studies	2	
Research Methods	2	
Pancasila Education	2	
Typography I	3	
SEMESTER 4		
Indonesia Language	2	
Visual Communication Design II	4	
Illustration II	3	
Computer Graphics II	3	
Design Management II	2	
Marketing Management II	2	
Reprographic Methods III	3	
Typography II	3	
SEMESTER 5		
Animation I	3	
Audio Visuals I	3	
Visual Culture	2	
Packaging Designs	3	
Visual Communication Design III	4	
Individual Property Rights (Copyright, Patent)	2	
Marketing Research and Consumer Behavior	3	
Graphic Design Overview	2	
SEMESTER 6		
Animation II	3	
Audio Visual II	3	
Visual Communication Design IV	2	
Design Photography	4	

Entrepreneurship	3	
Seminars and Design Presentations	3	
Advertising Theory	3	
SEMESTER 7		
Comic (p)	4	
Website Design	3	
Game Design	4	
Mobile Application Design	4	

Bachelor of Interior Design

Courses	Credits	Notes
SEMESTER 1		
Materials and Processes	3	
English	2	
English I	2	
Basics of Design Interior	4	
Cultural Designs	2	
Furniture Designs	3	
Residential Interior Design	4	
Social Design	2	
Ecodesign	3	
Ergonomics	3	
Aesthetics	2	
Islamic Interiors	2	
Nationality	2	
Interior Conservation	2	
Interior Materials	3	
Drawing Objects	3	
Drawing Techniques	3	
Design Methods	3	
Nirmana Dwimatra	3	
Nirmana Trimatra	3	
Religion Education	2	
Pancasila Education	2	
Introduction to the Study of Fine Arts and Design	2	
History of Indonesian Fine Arts	2	
Interior Design Communication Techniques I	3	
Building Technologies	3	
Design Overview	3	
SEMESTER 2		
Fundamental Philosophy and History of Modern Thought	2	
Nirmana Trimatra	2	
Interior Design Communication Techniques	2	
SEMESTER 3		
Interior Design	3	

Interior Design Communication Techniques	3	
SEMESTER 4		
Indonesian Language	2	
Furniture Designs II	3	
Interior Design II	4	
Research Methodology	2	
Perceptual Psychology	2	
Interior Design Communication Techniques	3	
Utilities	3	
SEMESTER 5		
Visual Culture	2	
Furniture Designs III	4	
Interior Design III	5	
Interior Product Design	3	
Eastern Aesthetics	2	
Traditional Interior Overview	2	
SEMESTER 6		
Architectural Interior Systems	3	
Interior Design IV	5	
Ecodesign Interior	3	
Exhibition	3	
Creative Experiments	3	
Entrepreneurship	2	
Project Management	3	
Presentation Methods	3	
Pancasila	2	
Decorative Variety	3	
Seminars	2	
SEMESTER 7		
Professional Work	3	
Studio General	2	

Bachelor of Art Craft

Courses	Credits	Notes
SEMESTER 1		
English	2	
Basic Textile Design	4	
Computer Graphics	3	
Nirmana Dwimatra	3	
Ornament	3	
Religion Education	2	
Textile Knowledge	2	
History of Indonesian Fine Arts	2	
SEMESTER 2		
Fundamental Philosophy and History of Modern Thought	2	
Drawing Objects	3	

Drawing Projections and Perspectives	3	
Nirmana Trimatra	3	
Pancasila		
Civic Education	2	
History of Indonesian Fine Arts	2	
History of Textiles	2	
SEMESTER 3		
Textile Pattern	4	
Aesthetics	2	
Philosophy of Art	2	
Javanese Culture	2	
Textile Computers for Crafts	3	
Knowledge of Textile Materials and Structures	2	
Batik Process	3	
Motif Design Studio	4	
Textile Production Techniques	3	
Printed Textiles	3	
Textile Design Overview	2	
SEMESTER 4		
Indonesian Language	2	
Design and Engineering (Interest in Textile Design)	5	
Digital Textile Design (Interest in Textile Design)	3	
Applied Aesthetics	2	
Textile Innovation (Interest in Textile Crafts)	5	
Study of Batik	2	
Textile Design Methods	2	
Research Methodology	2	
Production Process	2	
Interior Textiles	2	
Manual Weaving (Interest in Textile Crafts)	3	
SEMESTER 5		
Trend Analysis	2	
Art Anthropology	2	
Visual Culture	2	
Fashion Designs	3	
Archipelago Textile Studies	2	
Textile Computers	3	
Research Methods	2	
Three-dimensional Textile Ornaments	3	
Sociology of the Arts	2	
Std. Design: Creative Textile	5	
Std. Craft: Expressional Textile	5	
SEMESTER 6		
Product Design (Textile)	3	
Entrepreneurship	2	

Presentation Methods	2	
Visual Research Methods	2	
Nir Weaving	3	
Textile Marketing	2	
Comprehensive Design Studio	5	
Functional Textiles (Craft Studio)	5	
SEMESTER 7		
Accessories	3	
Pinch Engineering Ceramics	3	
Occupation	3	
Real Job Lectures	2	
Seminars	2	
Painting	3	
Studium General	2	
Websites	3	
SEMESTER 8		
Fashion Pattern	3	

Bachelor of **Arabic Literature**

Courses	**Credits**	**Notes**
SEMESTER 1		
Arabic (TOAFL)	2	
English I (EAP)	2	
Insya` I	2	
Istima` I	2	
Muhadatsah I	2	
Muthala`ah I	2	
Nahwu I	2	
Pancasila	2	
Qawa`idul Imla`	2	
Sharaf I	2	
SEMESTER 2		
English II	2	
Insya` II	2	
Istima` II	2	
Middle Eastern Culture II	2	
Entrepreneurship	2	
Muhadatsah II	2	
Muthala`ah II	2	
Nahwu II	2	
Islamic Education	2	
Indonesian Language Education	2	
Civic Education	2	
Sharaf II	2	
SEMESTER 3		
Al Khath Al Arabi	2	

Phonology	2	
Insya` III	2	
Indonesian Culture	2	
Muhadatsah III	2	
Muthala`ah III	2	
Nahwu III	2	
Introduction to Culture	2	
Introduction to Library Science	2	
Introduction to Literature	2	
Introduction to Linguistics	2	
Introduction to Translation	2	
Sharaf III	2	
SEMESTER 4		
Al-khithabah I	2	
Balaghah	2	
Journalism	2	
Cross-Cultural Studies	2	
Javanese Culture	2	
Introduction to Ulumul Qur'an	2	
History of Arabic Literature I	2	
Cultural Theory	2	
Theory and Critique of Arabic Literature	2	
Translation Theory	2	
SEMESTER 5		
Applied Arabic	2	
Philology	2	
Ma'ani Science	2	
Middle East Studies II	2	
Arabic Multimedia	2	
Spoken Translation	2	
Introduction to Diplomacy	2	
Introduction to Sharia Economics	2	
Scientific Writing	2	
Children's Literature	2	
History of Arabic Literature II	2	
Arabic Semantics	2	
SEMESTER 6		
Linguistic Discourse Analysis	2	
Discourse Analysis of Cultural Interests	2	
Discourse Analysis of Translation Interests	2	
Literary Discourse Analysis	2	
Arudl Wa Qawafi	2	
Amiyah Arabic	2	
Balaghah (Badi` knowledge)	2	
Fiqhu Lughah	2	
Cultural Research Methods	2	
Linguistic Research Methods	2	
Translation Research Methods	2	

Literary Research Methods	2	
Pragmatics	2	
History of Modern Arabic Thought	2	
SEMESTER 7		
Religious Movements in The Middle East	2	
Drama Studies and Ecranization	2	
Prose Studies	2	
Poetry Study	2	
Criticism Translate	2	
Lexicology	2	
Arabic Linguistic Thought	2	
Arabic - Indonesian Translation	2	
Indonesian - Arabic Translation	2	
Arabic Teaching	2	
Comparative Literature	2	
Middle East Studies Seminar	2	
Linguistics Seminar	2	
Translation Seminar	2	
Literature Seminar	2	
Sociology of Middle Eastern Society	2	
Sociopragmatics	2	
SEMESTER 8		
Thesis	6	

Bachelor of Public Administration

Courses	Credits	Notes
SEMESTER 1		
Indonesian Language	2	
English for Social Sciences	2	
Basics of Logic	3	
Pancasila	2	
Religion Education	2	
Introduction to Public Administration	2	
Introduction to Political Science	2	
Introduction to Sociology	3	
Indonesian Political System	3	
Indonesian Socio-Cultural System	2	
SEMESTER 2		
Management Principles	3	
Public Policy	3	
State Finance	3	
Civic Education	2	
Indonesian Law System	3	
Social Statistics	3	
Organizational Theory	3	
Socio-political Theory	3	

SEMESTER 3		
Philosophy of Science	2	
Human Resource Management	3	
Social Research Methods	3	
Development Planning and Financing	3	
SEMESTER 4		
Quantitative and Qualitative Research Analysis	3	
Administrative Ethics	3	
Digital Governance	3	
State Administrative Law	3	
Regional Autonomy Issues and Policies	3	
Public Service Management	3	
Organizational Behavior	3	
Theory of Public Administration	3	
SEMESTER 5		
Implementation and Evaluation of Public Policy	3	
Demographic Policy	2	
Poverty Reduction Policies	2	
Leadership	3	
Public Asset Management	2	
Public Sector Strategic Management	3	
Public Organization Development	3	
Planning and Financing Development	3	
State Administration System of the Republic of Indonesia	3	
SEMESTER 6		
Public Policy Analysis	3	
Development Policy in Gender Perspective	3	
Communication and Policy Advocacy	3	
Disaster Management	2	
Administrative Research Methods	3	
Decision Making	3	
Total Quality Management	2	
SEMESTER 7		
Bureaucracy and Public Governance	3	
Village Development Policy	2	
Community Empowerment	2	

Bachelor of Communication Sciences

Courses	Credits	Notes
SEMESTER 1		
Indonesian Language	2	
English for Social Science	2	
Fundamentals of Logic	2	
Pancasila	2	

Religious Education	2	
Introduction to Communication Studies	3	
Introduction to Political Science	3	
Introduction to Psychology	2	
Introduction to Sociology	3	
SEMESTER 2		
Management Principles	2	
Science Phylosophy	2	
Entrepreneurship	2	
Mass Communication	3	
Civic Education	2	
Indonesian Legal System	3	
Indonesian Political System	3	
Indonesian Socio-Cultural System	3	
SEMESTER 3		
Photography	3	
Social Research Methods	3	
Introduction to Journalism	3	
Communication Psychology	3	
Communication Sociology	3	
Communication Technology	3	
Communication Theory	3	
SEMESTER 4		
Communication Law and Ethics	3	
Intercultural Communication	3	
Political Communications	3	
Social Communication and Development	3	
Cyber Media	3	
Communication Planning	3	
Social Statistics	3	
SEMESTER 5		
Advertising 1	4	
Journalism 1	4	
Organizational Communications	3	
Mass Media Management	3	
Quantitative Communication Research Methods	3	
Public Relations 1	4	
Radio 1	4	
Video 1	4	
SEMESTER 6		
Advertising 2	4	
Journalism 2	4	
Capita Selecta of Communications	3	
Interpersonal Communication	3	
Qualitative Communication Research Methods	3	
Public Relations 2	4	

Radio 2	4	
Video 2	4	
SEMESTER 7		
Business communication	2	
Media And Gender	2	
Creative Writing	2	
Presentation Technique	2	

Bachelor of Sociology

Courses	Credits	Notes
SEMESTER 1		
English For Social Sciences	2	
Basic Logic	3	
Composition of Indonesian Language	2	
Religion Education	2	
Civic Education	2	
Introduction to Political Science	3	
Introduction to Sociology	3	
Indonesia Economic System	3	
Indonesia Law System	3	
SEMESTER 2		
Philosophy of Science	3	
Entrepreneurship	2	
Methods of Social Research	3	
Pancasila	2	
Indonesia Political System	3	
Indonesian Socio-Cultural System	3	
Social Structures and Institutions	3	
Socio-political Theory	3	
SEMESTER 3		
Contemporary Social Issues	3	
Classical Sociological Theories	3	
SEMESTER 4		
Qualitative Research Methods	3	
Quantitative Research Methods	3	
Economic Sociology	3	
Family Sociology	3	
Health Sociology	2	
Rural Sociology	3	
Political Sociology	3	
Modern Sociological Theories	3	
SEMESTER 5		
Working Relationships	2	
Industrial Sociology	3	
Population Sociology	2	
Tourism Sociology	3	

Development Sociology	3	
Urban Sociology	3	
Sociological Statistics	3	
Postmodern Theories	3	
SEMESTER 6		
Evaluation Research Methods	2	
Community Empowerment	3	
Sociological Research Planning	2	
Social Change	3	
Sociology of Law	3	
Sociology of Conflict and Social Movement	2	
Environmental Sociology	3	
Sociology of Education	3	
Critical Theory	3	
SEMESTER 7		
Decentralization and Civil Society	2	
Sociology of Religion	2	
Sociology of Communication	2	
Sociology of Consumption	2	
Sociology of the Information Society	2	
Organizational Sociology	2	

Bachelor of International Relation

Courses	Credits	Notes
SEMESTER 1		
Introduction to Economics	3	
Indonesian Language	2	
Pancasila	2	
Religion Education	2	
Civic Education	2	
Introduction to International Relations	3	
Introduction to Law	3	
Introduction to Political Science	3	
Introduction to Sociology	2	
SEMESTER 2		
Basic Logic	2	
International Economics	3	
General English	2	
Social Research Methods	3	
Entrepreneurship Education	2	
Academic Writing	3	
History of International Relation	2	
Indonesia Political System	3	
International Relations Theory I	3	
SEMESTER 3		
Diplomacy	3	

Philosophy of Science	2	
International Law	3	
Introduction to the Study of War and Peace	2	
Social Statistics	2	
Political Theories and Ideas	3	
International Relations Theory II	3	
SEMESTER 4		
International Political Economy	3	
Journalism and Public Relation	2	
International Politics	3	
Foreign Politics	3	
Southeast Asian Regional Studies	3	
Cross-Cultural Studies and Globalization	2	
Scientific Writing Techniques	2	
International Relations Theory III	3	
SEMESTER 5		
Foreign Policy Analysis	3	
International Civil Law	2	
International Conflict Management and Resolution	3	
International Relations Research Methods	3	
East Asia Regional Studies	3	
Australian and Pacific Regional Studies	3	
Strategy and Security Studies	2	
Terrorism and Transnational Crime	2	
SEMESTER 6		
Gender and Environment	2	
Human Rights and International Courts	2	
Legal Framework for International Cooperation	3	
International Business Management	3	
International Media and Communication	2	
Ngo`s And Civil Society Empowerment	3	
International Trade and Monetary Policy	3	
Politics of International Cooperation	3	
Diplomacy Practice	3	
Soft Power Diplomacy	3	
Negotiation and Lobbying Techniques	3	
SEMESTER 7		
Seminar	2	
American and Canadian Regional Studies	3	
Middle East and African Studies	3	
European Union and Russia Regional Studies	3	

Bachelor of **Legal Studies**

Courses	**Credits**	**Notes**
SEMESTER 1		

Religion Education	2	
English	2	
Ethics and Professional Responsibilities	2	
Philosophy of Law	2	
General Theory of State	2	
Civic education	2	
Pancasila Education	2	
Introduction of Law	4	
SEMESTER 2		
Indonesia Language	2	
Customary Laws	2	
State Administrative Law	3	
International Laws	3	
Islam Law	2	
Civil Law	3	
Criminal Law	3	
Administrative Law	3	
Introduction to Indonesian Law	4	
SEMESTER 3		
Customary Law and National Legal System	2	
Agrarian Law	2	
Commercial Law	3	
State Institutional Law	2	
Contracts Law	2	
Tax Laws	2	
Codified Criminal Law	2	
SEMESTER 4		
Civil Procedure Law	3	
Law of Criminal Procedure	3	
State Administrative Procedure Law	2	
Law and Society	2	
Employment Law	2	
Local Government Law	2	
Penitentiary Laws	2	
Banking Law	2	
Economic Criminal Law	2	
Criminology	2	
Research Methodology and Legal Writing	2	
Contract Design	2	
SEMESTER 5		
Alternative Dispute Resolution	2	
Islamic Family and Property Law	2	
Commercial Court Procedures	2	
Islamic Economic Law	2	
Intellectual Property Law	2	
Laws of Evidence	2	
Law of International Treaties	2	
Legislative Studies	2	

Criminal Justice Practices	2	
State Administrative Procedure Practices	2	
SEMESTER 6		
Procedural Law of Religious Courts	2	
International Humanitarian Law	2	
International Trade Organization Law	2	
Citizenship and Immigration Law	2	
Environmental Law	2	
Protection Law and Environmental Convention	2	
Consumer Protection Law	2	
Research Methods and Legal Research	2	
Land Rights Management and Registration	2	
Drafting of Laws	2	
Civil Justice Practices	2	
SEMESTER 7		
Laws of Commercial Arbitration	2	
Sharia Insurance Law	2	
Law and Human Rights	2	
Laws of Energy	2	
Forestry Law	2	
Family Law	2	
Village Administration Law	2	
Transport Laws	2	
International Civil Law	2	
Housing and Property Law	2	
International Criminal Law	2	
Water Resources Law	2	
Western Inheritance Law	2	
Constitution and Judicial Powers	2	
Comparative Criminal Law	2	
Banking Crimes	2	
Mining Crime	2	
SEMESTER 8		
Execution of Civil Judge Decisions	2	
Execution of Judges' Decisions	2	
Class Lawsuit Procedures	2	
Special Criminal Procedure Code	2	
International Dispute Resolution Law	2	
Laws of Space	2	
Insurance Law	2	
Bureaucratic Law and Public Service	2	
International Commercial Law	2	
Law and Fiscal Decentralization	2	
Laws and Social Systems	2	
Diplomatic Law	2	
E-commerce Laws	2	
International Economic Law	2	

Pancasila Economic Law	2	
Investment Law	2	
Warranties	2	
Bankruptcy Law	2	
Employment Law	2	
Health Laws	2	
State Finance Law	2	
International Business Contract Law	2	
Maritime Laws	2	
Law of Mass Media and Public Information	2	
Political Party Law and Election System	2	
Capital Market Law	2	
Financing Law	2	
Pancasila Industrial Relations Dispute Settlement Law	2	
Sharia Banking Law	2	
Industrial Law	2	
Competition Law	2	
Mining Laws	2	
Criminal Law and Procedures Military Regulation	2	
Criminal Law of Children	2	
Transnational Criminal Law	2	
Law of Marine Resources and Fisheries	2	
Securities Law	2	
Spatial Law	2	
Judicial Medicine	2	
Capita Selecta Islamic Law	2	
Criminalistic	2	
Constitutional Court	2	
Asean Constitutional Law Comparison	2	
Health Sector Crimes	2	
Intellectual Property Crime	2	
Corruption Crimes	2	
Environmental Crimes and Natural Resources	2	
Narcotics Crime	2	
Crimes of Technology and Information	2	
Victimology	2	

Bachelor of Development Economics

Courses	Credits	Notes
SEMESTER 1		
Introduction to Business	3	
Introduction to Macroeconomics	3	
Introduction to Microeconomics	3	
Economic Mathematics I	3	
Introduction to Accounting I	3	

Descriptive Statistics	3	
SEMESTER 2		
Indonesian Language	2	
Macroeconomics I	3	
Microeconomics I	3	
Management	3	
Mathematics Economics II	3	
Pancasila	2	
Introduction to Accounting II	3	
SEMESTER 3		
International Economics I	3	
Islamic Economics	3	
Macroeconomics II	3	
Microeconomics II	3	
Monetary Economics	3	
Public Economy I	3	
Religion Education	2	
Economic Statistics	3	
SEMESTER 4		
Econometrics I	3	
Industrial Economics	3	
Development Economics I	3	
Agricultural Economics	3	
Natural Resources and Environmental Economics	3	
Central banking	2	
Introduction to Sociology	3	
History of Economic Thought	3	
SEMESTER 5		
Banks and Financial Institutions	3	
Business and Society	3	
Econometrics II	3	
Population Economics	3	
Environmental Economics	3	
Human Resources and Labor Economics	3	
Project Evaluation	3	
Economic Research Methodology	3	
Civic Education	2	
Indonesian Economy	3	
Development Planning and Budgeting	3	
Econometric Practice	2	
Practical Economic Statistics	1	
SEMESTER 6		
Economic Analysis Tools	3	
Public Policy Analysis	3	
Institutional Economics	3	
Tourism Economics	3	
Cooperative Economics	3	

Public Economics II	3	
Introduction to Business Law	3	
Entrepreneurship	2	
Portfolio and Investment Management	3	
Risk Management and Investment	3	
Modeling Monetary Economy	3	
SEMESTER 7		
Regional Financial Analysis	3	
International Financial Economics	3	
Urban Economics	3	
Political Economy	3	
Concentration Seminar	3	
SEMESTER 8		
Asean Economy	3	
Community Economy	3	
Development Economics II	3	
Rural Economy	3	
Land Economics	3	

Bachelor of Management

Courses	Credits	Notes
SEMESTER 1		
Introduction to Accounting I	3	
Indonesian Language	2	
Introduction to Business	3	
Introduction to Macroeconomics	3	
Management	3	
Business Mathematics	3	
SEMESTER 2		
Introduction to Accounting II	3	
Introduction to Microeconomics	3	
Business Ethics	3	
Law of Business	2	
Business Communication	3	
Religion Education	2	
Information Technology Practices	3	
SEMESTER 3		
Cost Accounting	3	
Entrepreneurship	2	
Financial Management I	3	
Operational Management I	3	
Marketing Management I	3	
Human Resource Managemen	3	
Management Statistics	3	
SEMESTER 4		
Financial Management II	3	

Operational Management II	3	
Marketing Management II	3	
Human Resource Management II	3	
Management Research Methodology	3	
Civic Education	2	
Practice of Managerial Simulation	2	
Corporate Budgeting	3	
Business Feasibility Study	3	
SME and Cooperative Management	3	
SEMESTER 5		
Managerial Economics	3	
Leadership	3	
Performance Management	3	
Quality Management	3	
Promotion Management	3	
Risk Management	3	
Strategic Management	3	
Consumer Behavior	3	
Operations Research	3	
Management Information Systems	3	
Management Accounting	3	
Indonesian Economy	3	
SEMESTER 6		
Creative Thinking	3	
Organizational Culture	3	
Financial Technology	3	
Product Management and Pricing	3	
Financial Planning	3	
Management Practices 2 (Non-Behavioral Data Processing)	1	
Management Practice 3 (E-performance practice)	1	
Management Practices 3 (Capital Market Practices)	1	
Management Practice 3 (Market Research practice)	1	
Management Practices I (e-business)	1	
Management Practices II (Data processing - Behavior)	1	
Financial Management III	3	
Marketing Management III	3	
HR Management III	3	
SEMESTER 7		
Banking Management	3	
Pancasila	2	
Managerial Simulation Practice	2	
SEMESTER 8		
Business Consulting Management	2	

Bachelor of Accounting

Courses	Credits	Notes
SEMESTER 1		
Introduction to Accounting	3	
Introduction to Business	3	
Introduction to Microeconomics	3	
Law of Business	3	
Business Mathematics	3	
Religion Education	2	
SEMESTER 2		
Intermediate Financial Accounting I	3	
Introduction to Macroeconomics	3	
Management	3	
Civic Education	2	
Taxation I	3	
Accounting Information Systems	3	
Management Information System	3	
SEMESTER 3		
Cost Accounting	3	
Intermediate Financial Accounting II	3	
Accounting for the Public Sector	3	
Indonesian Language	2	
Financial Management	3	
Pancasila Education	2	
Indonesian Economy	3	
SEMESTER 4		
Intermediate Financial Accounting III	3	
Management Accounting	3	
Government Accounting	3	
Analysis and Design of Systems	3	
Fiqh Muamalat	3	
Corporate Budgeting	3	
Auditing I	3	
Taxation II	3	
Investment and Portfolio Theory	3	
SEMESTER 5		
Sustainability Accounting and Reporting	3	
Accounting for Micro, Small and Medium Entities	3	
Advanced Financial Accounting I	3	
Islamic Economics	3	
Strategic Management	3	
Auditing II	3	
Management Control System	3	
Business Statistics	3	
Business Feasibility Study	3	

SEMESTER 6		
Forensic Accounting and Investigative Auditing	3	
Advanced Financial Accounting II	3	
Financial Information Analysis	3	
Corporate Governance and Corporate Social Responsibility	3	
Entrepreneurship	2	
Corporate Governance and Corporate Social Responsibility	3	
Accounting Research Methodology I	3	
Internal Auditing	3	
Tax Planning	3	
Accounting Theory	3	
SEMESTER 7		
Sharia Accounting	3	
International Business	3	
Business Communication	3	
Marketing Management	3	
Human Resource Management	3	
Accounting Research Methodology II	2	
Accounting Research Review	3	

Bachelor of Medical Doctor

Courses	Credits	Notes
SEMESTER 1		
Religion Education	2	
Blocks of Cell Biology and Hematology	4	
Blocks of the Integumentary and Musculoskeletal System	4	
Blocks of the Digestive System and Metabolism	4	
Basic Ethics of Health Professionalism and Collaboration	2	
Pancasila	2	
Anamnesis, Nutritional Status and Vital Sign Skills	3	
Basic Skills Lab Physical Examination	0,5	
Examination Motor Examination Skills Lab	0,5	
SEMESTER 2		
Indonesian Language	2	
Block of Genitouropoetics and Reproductive System	4	
Blocks of the Cardiorespiratory System	4	
Blocks of the Neuroendocrine System and Special Senses	4	
Citizenship	2	

Research Methodology	2	
Basic Physical Examination Skills	3	
SEMESTER 3		
Blocks of Integumentary System and Musculoskeletal Disease	5	
Blocks of Metabolic and Endocrine System Diseases	5	
Immune System Blocks and Tropical Infection	5	
Research Methodology	3	
Informed Consent Laboratory Skills and Health Education	0,5	
Dermatology Examination Laboratory Skills	0,5	
Skin and Joint Examination Skills	3	
SEMESTER 4		
Blocks of Immunohematological Disease	5	
Blocks of Gastrohepato-intestinal Disease	5	
Blocks of Cardiovascular Disease	5	
Research Methodology	3	
Skills Thorax Abdomen Examination	3	
SEMESTER 5		
Skin Blocks	4	
Blocks of Respiratory System Diseases	5	
Blocks of Diseases of the Nervous System	5	
Psychiatric Blocks	4	
Entrepreneurship	2	
Community Health Project (Interprofessional Education)	3	
Integration Clinical Skills Laboratory Skills	0,5	
Psychiatric Examination Laboratory Skills	0,5	
Advanced Respiratory Examination Laboratory Skills	0,5	
Neurosurgery Laboratory I Skills	0,5	
Neurosurgery Laboratory II Skills	0,5	
X-Ray Laboratory Skills	0,5	
Neuropsychiatric and Respiratory Examination Skills	3	
SEMESTER 6		
Bioethics and Medicolegal	2	
Life Cycle Block	3	
Blocks of Special Sensory System Disease	5	
Blocks of Reproductive and Urogenital System Diseases	5	
Pediatric Examination, Reproduction, And Sensory Skills	3	
SEMESTER 7		
Blocks of Biotechnology Elective	3	
Block of Clinical Nutrition Elective	3	
Sports Medicine Elective	3	

Block of Occupational Health Elective	3	
Block of Health Digital Entrepreneurship Elective	3	
Block of Community Medicine and the National Health System	5	
Block of Complementary Medicine	2	
Block of Complementary Medicine: Acupuncture	1,5	
Block of Complementary Medicine: Herbs	1,5	
Trauma Block and Medical Emergency	3	
Procedural Skills	3	
Advanced Life Support Laboratory Skills	0,5	
Minor Surgical Laboratory Skills	0,5	
Special Medical Communication Laboratory Skills	0,5	
Urogenital Invasive Procedure Laboratory Skills	0,5	
Fluid Resuscitation Laboratory Skills	0,5	

Bachelor of Psychology

Courses	Credits	Notes
SEMESTER 1		
English	2	
Bioneuropsychology	2	
General Philosophy	2	
Psychological Code of Ethics	2	
Religious education	2	
Personality Psychology I	3	
Developmental Psychology I	3	
Social Psychology I	3	
General Psychology I	3	
Basic Statistics	2	
SEMESTER 2		
Human Philosophy	2	
Basic Social Sciences and Culture	2	
Pancasila	2	
Personality Psychology	2	
Cognitive Psychology	2	
Cross-Cultural Psychology	2	
Developmental Psychology II	3	
Social Psychology II	2	
General Psychology II	3	
Psychometry	3	
SEMESTER 3		
Indonesian Language	2	
Quantitative Research Methodology	2	
Civic Education	2	

Introduction to Psychological Assessment	2	
Psychodiagnostics I (Observation)	2	
Psychodiagnostics II (Interview)	3	
Industrial and Organizational Psychology	3	
Educational Psychology	3	
Psychopathology	3	
Advanced Statistics	2	
SEMESTER 4		
Organizational Leadership	2	
Test Construction and Development of a Psychological Scale	3	
Qualitative Research Methodology	3	
Behavior Modification	2	
Psychodiagnostics III (Intelligence and Aptitude Test)	2	
Psychodiagnostics IV (Inventory, Interests and Projections)	2	
Psychology of Children with Special Needs	2	
Experimental Psychology	3	
Forensic Psychology	2	
Legal Psychology	2	
Clinical Psychology	3	
Military Psychology	2	
Psychotherapy	2	
SEMESTER 5		
Job Analysis	2	
Entrepreneurship and Business Process	2	
Psychology Service Management	2	
Organization Management	2	
Human Resource Management	2	
Health and Nursing Psychology	2	
Communication Psychology	2	
Community Psychology	2	
Political and Public Policy Psychology	2	
School Psychology	2	
Technology and Media Psychology	2	
SEMESTER 6		
Early Detection of Child Development	2	
Organizational Performance Assessment	2	
Preparation of Training Plans	2	
Psychodiagnostics V (Projective test)	3	
Family Psychology	2	
Psychology of Crises and Disasters	2	
Environmental Psychology	2	
Counseling Techniques	3	
Thesis Writing Techniques	2	
SEMESTER 7		
Javanese Cultural Psychology	2	

Bachelor of Agribusiness

Courses	Credits	Notes
SEMESTER 1		
Botany	3	
Fundamentals of Soil Science	3	
Agricultural economy	3	
Civic Education	2	
Scientific Method	2	
Pancasila	2	
Introduction to Agricultural Science	2	
Introduction to Precision Agriculture	2	
Rural Sociology	3	
SEMESTER 2		
Agroclimatology	3	
Agrotechnology	3	
Indonesian Language	2	
Agribusiness Management	3	
Economic math	2	
Religious education	2	
Agricultural Extension	3	
Plant Protection	3	
Statistics	3	
SEMESTER 3		
Accountancy	3	
Microeconomics	3	
Economics of Natural Resources and the Environment	3	
Human Resource Economics	2	
Agricultural Business Science	3	
Agribusiness Cooperatives and Partnerships	3	
Business Management	3	
Agricultural Development	2	
SEMESTER 4		
Macro Economics	3	
Agricultural Production Economics	3	
Agricultural Resource Economics	3	
Agrarian Law and Politics	2	
Population	3	
Entrepreneurship	3	
Agricultural Communications	3	
Agro-Industry Management	2	
Financial Management	3	
Plant Breeding	2	
Sustainable Agriculture System	2	
Agricultural Trade System	2	
SEMESTER 5		

Management Accounting	3	
Business Communication	3	
Marketing Management	3	
Production and Operations Management	3	
Socioeconomic Research Methodology	3	
Management of Plant Pests and Diseases	2	
Personality Development	2	
Community Development	3	
Social Transformation	2	
Agribusiness Information System	3	
Food Processing Technology	2	
SEMESTER 6		
Econometrics	3	
International Economics	2	
Nutritional Food Economics	3	
Agricultural Policy	2	
Agribusiness Quality Management	2	
Agribusiness Strategic Management	3	
Sharia Management	2	
Regional Development Planning	3	
Feasibility Study and Agribusiness Investment	3	

Bachelor of Animal Husbandry

Courses	Credits	Notes
SEMESTER 1		
Basic Biochemistry	3	
Biology	3	
Genetics	2	
Civic Education	2	
Scientific Method	2	
Pancasila	2	
Introduction to the Science and Industry of Animal Husbandry	2	
Introduction to Economics	2	
Introduction of Presisive Agriculture	2	
Statistics	2	
SEMESTER 2		
Religious Education	2	
Food Ingredients and Ration Formulations	3	
Indonesian Language	2	
Basic Livestock Reproduction	3	
Livestock Physiology	3	
Animal Husbandry Agribusiness Management	3	

Animal Farm Microbiology	3	
Basic Livestock Nutrition	3	
Legislation and Animal Husbandry Development Policy	2	
Sustainable Agricultural System	2	
SEMESTER 3		
Abatoir and Livestock Slaughtering Techniques	3	
Basic Animal Functional Food	2	
Basis for Livestock Technology	3	
Dairy Livestock Science	3	
Cut and Working Livestock	3	
Poultry Livestock	3	
Forage Production	3	
SEMESTER 4		
Basic Breeding of Livestock	2	
Animal Feed Industry	2	
Entrepreneurship	3	
Environment and Livestock Behavior	3	
Dairy Livestock Management	3	
Cut And Working Livestock Management	3	
Poultry Livestock Management	3	
Quality And Safety of Livestock Products	3	
Non-Ruminant Livestock Nutrition	2	
Livestock Business Management	3	
Livestock Development and Policy	2	
Livestock Reproduction	3	
SEMESTER 5		
Livestock Health	3	
Research Methodology	2	
Ruminant Livestock Nutrition	2	
Marketing and Trading af Animal Husbandry	3	
Livestock Breeding	3	
Counseling and Communication of Livestock Development	3	
Production of Various Poultry Cattle	3	
Rural Sociology	2	
Feasibility Study and Evaluation of Livestock Projects	2	
Livestock Processing Technology	3	
SEMESTER 6		
Animal Husbandry Biotechnology	3	
Animal Husbandry Company Economy	3	
Soil Fertility	3	
Livestock Waste Management	3	

Experimental Design	3	
Feed Evaluation Techniques	3	
Feedlot Technology	3	
Feed Processing Technology	3	

Bachelor of Agrotechnology

Courses	Credits	Notes
SEMESTER 1		
Indonesian Language	2	
Botany	3	
Agricultural economy	3	
Soil Science	3	
Civic Education	2	
Scientific Method	2	
Pancasila	2	
Introduction to Agricultural Science	2	
Rural Sociology	3	
SEMESTER 2		
Agroecology	2	
Agroclimatology	3	
Agrotechnology	3	
Plant Physiology	3	
Plant Genetics	2	
Soil fertility	3	
Religious education	2	
Introduction to Precision Agriculture	2	
Plant Protection	3	
SEMESTER 3		
Fundamentals of Plant Breeding	2	
Environmental Stress Physiology	2	
Insect And Plant Interaction	2	
Biodiversity	2	
Plant Nutrition	2	
Vegetative Reproduction	2	
Statistics	2	
Seasonal Crops Production Technology	3	
Annual Crop Production Technology	3	
Growth Regulating Substance	2	
SEMESTER 4		
Soil, water, fertilizer and plant analysis	2	
Biology And Soil Health	3	
Seed Physiology	2	
Plant Pests	2	
Entrepreneurship	3	

Agribusiness Management	3	
Plant breeding	2	
Soil And Water Management	3	
Plant Diseases	2	
Regional Development Planning	2	
Sustainable Agriculture System	2	
Fruit Plant Production Technology	2	
Horticultural Plant Production Technology	3	
Organic Plant Production Technology	3	
Food Plant Production Technology	2	
Production Technology of Spice Plants and Organic Medicinal Efficacy	2	
Vegetable Plant Production Technology	2	
Organic Vegetable Production Technology	3	
SEMESTER 5		
Agricultural Entomology	2	
Business communication	3	
Soil and Water Conservation	2	
Marketing Management	2	
Management of Plant Pests and Diseases	3	
Agricultural Environmental Management	2	
Community development	2	
Research Design	2	
Research Design for Plant Breeding	2	
Cytogenetics	2	
Seed Technology	3	
Technology and Management of Pesticide	2	
Tissue Culture Technology	3	
Plant Breeding Technology	2	
Botanical Pesticide Technology	2	
Production Technology of Organic Fruit Plants	2	
Ornamental Plant Production Technology	2	
Production Technology of Spices and Medicinal Efficacy	2	
Soilless Plant Production Technologies	3	
Production Technology of Tubers and Legumes	2	
Fertilizer And Fertilization Technology	2	
Biological Fertilizer Technology	2	
SEMESTER 6		
Data analysis	2	
Landscape Architecture	2	
Agricultural Bacteriology	2	
Plant Protection Biotechnology	2	

Agricultural Biotechnology	3	
Hydrology and Watershed Management	2	
Capita Selecta Land	2	
Professional Independence	2	
Agribusiness Strategic Management	3	
Agricultural Nematology	2	
Post Harvest Management	3	
Postharvest Pest And Disease Control	2	
Biological Control and Habitat Management	3	
Scientific Presentation	2	
Agribusiness Investment Feasibility Study	3	
Industrial Plant Production Technology	2	
Organic Food Plant Production Technology	2	
Plantation Plant Production Technology	2	

Bachelor of Food Technology

Courses	Credits	Notes
SEMESTER 1		
Indonesian Language	2	
Biology	3	
Physics	3	
Calculus	3	
Civic Education	2	
Basic Chemistry I	2	
Organic Chemistry	3	
Pancasila	2	
Introduction to Agricultural Technology	2	
SEMESTER 2		
Materials Science	3	
Basic Chemistry II	2	
Microbiology	3	
Religious Education	2	
Introduction to Precision Agriculture	2	
Basic Chemistry Practicum	2	
Food Industry Operations Unit I	2	
Statistics	3	
Scientific Writing and Presentation Techniques	3	
SEMESTER 3		
Food Microbiological Analysis	3	
Biochemistry	2	
Engineering Economics and Food Industry Management	3	
Occupational Health and Safety	2	
Analytical Chemistry	2	
Food Chemistry	3	
Food Microbiology	2	

Food Chemistry and Biochemistry Practicum	2	
Food Process Engineering Practicum I	1	
Food Industry Operations Unit II	2	
SEMESTER 4		
Food Analysis	3	
Sensory Analysis	3	
Postharvest Physiology and Technology	3	
Entrepreneurship	3	
Agribusiness Management	3	
Industrial Management	3	
Halal Food Management	3	
Food Processing Microbiology	2	
Food Industry Operations Unit III	3	
Sustainable Agriculture System	2	
Plantation Product Technology	2	
SEMESTER 5		
Quality Management	3	
Quality Control	2	
Factory Design I	3	
Food Process Engineering Practicum	2	
Practicum of Animal Food Processing Technology	2	
Food Thermal Process	2	
Experimental Design and Research Methods	2	
Operations Research	2	
Food Industry Operations Unit IV	2	
Meat and Fish Technology	2	
Horticultural Technology	2	
Waste Utilization Technology	3	
Food Preservation Technology	3	
SEMESTER 6		
Evaluation of Nutrition in Food Processing	3	
Hazard Analysis Critical Control Point (HACCP) and Food Safety	2	
Catering Service Industry	2	
Food Industry Microbiology	3	
Functional Food	2	
Factory Design II	2	
Practicum of Vegetable Food Processing Technology	2	
Waste Handling Sanitation and the Environment	3	
Bakery and Confectionary Technologies	2	
Fermentation Technology	3	
Legumes, Cereals and Roots Technology	2	
Food Packaging Technology	3	
Milk Processing Technology	2	

Bachelor of Geology

Courses	Credits	Notes
SEMESTER 1		
Botany	3	
Fundamentals of Soil Science	3	
Agricultural economy	3	
Citizenship	2	
Pancasila	2	
Introduction to Agricultural Science	2	
Introduction to Precision Agriculture	2	
Rural Sociology	3	
Field Study I	1	
SEMESTER 2		
Agroclimatology	3	
Agrotechnology	3	
Indonesian Languange	2	
Soil Biochemistry and Plant Physiology	2	
Geology and Mineralogy	3	
Soil Fertility	3	
Agricultural Microbiology	3	
Religious education	2	
Statistics	2	
SEMESTER 3		
Agricultural Production Tools and Machinery	2	
Soil Biology	3	
Soil Physics	3	
Microbial Physiology	2	
Plant Health	2	
Soil Chemistry	2	
Scientific Method and Research	2	
Fertilizer and Fertilization	3	
SEMESTER 4		
Soil, Water, Fertilizer and Plant Analysis	2	
Edapology	2	
Microbial Ecology	2	
Soil Measurement and Mapping Science	3	
Entrepreneurship	3	
Soil and Water Conservation	3	
Klei Mineralogy	2	
Pedology	2	
Remote Sensing	3	
Sustainable Agriculture System	2	
Field Study II	1	
SEMESTER 5		
Soil Microclimate	2	
Agricultural Business Science	3	
Soil Health and Quality	2	

Soil Quality	2	
Research Methods and Experiment Design	3	
Soil Morphology and Classification	3	
Agricultural Environmental Management	2	
Land Management	2	
Basic Geographic Information System	3	
SEMESTER 6		
Development Planning Environmental Impact Analysis	2	
Bioremediation and Land Reclamation	2	
Hydrology and Watershed Management	2	
Land Capita Selecta	2	
Turfgrass Management	2	
Environmental Microbiology	2	
Scientific Presentation	2	
Agricultural Extension	3	
Regional Development Planning	2	
Advanced Geographic Information System	2	
Field Study III	1	
Land Survey and Land Evaluation	3	
Biological Fertilizer Technology	3	

Bachelor of Agricultural Extension and Communication

Courses	Credits	Notes
SEMESTER 1		
Botany	3	
Fundamentals of Soil Science	3	
Agricultural economy	3	
Civic Education	2	
Scientific Method	2	
Pancasila	2	
Introduction to Agricultural Science	2	
Introduction to Precision Agriculture	2	
Rural Sociology	3	
SEMESTER 2		
Agroclimatology	3	
Agrotechnology	3	
Indonesian Languange	2	
Agrarian Studies	2	
Population and Development	3	
Personal Communication	3	
Religious education	2	
Agricultural Extension	3	
Statistics	2	
SEMESTER 3		
Agricultural Business Science	3	
Extension Methods and Techniques	3	

Community Development	2	
Learning Process in Counseling	2	
Applied Statistics	4	
SEMESTER 4		
Dynamics of Rural Development	2	
Macroeconomics	3	
Agricultural Journalism	2	
Soil Fertility	3	
Entrepreneurship	3	
Agricultural Communications	3	
Training Management	2	
Organization and Leadership	2	
Social Forestry	2	
Sustainable Agriculture System	2	
Agricultural Trade System	2	
Plantation Product Technology	2	
SEMESTER 5		
Gender and Development	2	
Business Communication	3	
Food and Nutrition	2	
Agricultural Development	2	
Personality Development	2	
Experiment Design	3	
Social Transformation	2	
Environmental Sociology	2	
Social Science Statistics	3	
Seed Technology	3	
Plant Breeding Technology	2	
SEMESTER 6		
Corporate Social Responsibility	2	
Agrarian Law and Politics	2	
Population	3	
Mass Communication	3	
Social Science Research Methods	2	
Community Participation Development	3	
Planning and Evaluation of Agricultural Extension Programs	3	
Social Psychology	2	
Economic Sociology	2	
Information Technology and Multimedia	3	

Bachelor of Forest Management

Courses	Credits	Notes
SEMESTER 1		
Indonesian	2	
General Biology	3	
Dendrology	3	

Forest Ecology	3	
Forestry Camping	1	
Hydrology and Climatology	3	
Forest Soil Science	3	
Civic Education	2	
Scientific Method	2	
Pancasila	2	
Introduction to Forestry Science	2	
SEMESTER 2		
Religious Education	2	
Forest Biometrics	2	
Forest Resource Economics	2	
Tree Physiology	3	
Conservation of Living Natural Resources	2	
Forest Resource Management	3	
Introduction to Precision Agriculture	2	
Forest Ecosystem Introduction Practice	2	
Basic Properties of Wood	1	
Statistics	3	
Forest Area Survey and Mapping	3	
SEMESTER 3		
Wood Anatomy and Identification	3	
Wildlife Ecology	3	
Forest Resource Inventory	3	
Community Forestry	2	
Forest Products Processing	3	
Forest Protection	3	
Silviculture	3	
Sustainable Agriculture System	2	
SEMESTER 4		
Fundamentals of Forestry Policy	2	
Wood Deterioration	3	
Non-Timber Forest Products	3	
Forest Pests and Diseases	3	
Urban Forest Science	2	
Wildlife Inventory	2	
Entrepreneurship	2	
Opening of Forest Areas	3	
Environmental Pollution and Climate Change	3	
Management of Environmental Services	2	
Conservation Area Management	2	
Conservation Area Management	2	
Forestry Extension	2	
SEMESTER 5		
Forestry Investment Analysis	3	
Biocomposite	2	
Ecotourism	2	
Geomatics and Forestry Senses	2	

Forest Policy and Governance	3	
Wildlife Ex Situ Conservation	2	
Forest Community Participation and Empowerment	2	
Forest Harvesting	2	
Tree Breeding	3	
Integrated Watershed Management	2	
Forest Business	2	
Forest Management Practices	2	
Forest Rehabilitation and Reclamation	3	
Forest Seed Technology and Nursery Techniques	2	
SEMESTER 6		
Agroforestry	3	
Forestry Accounting	2	
Forest Policy Analysis	2	
Natural Interpretation	2	
Scientific Research Methodology	2	
Community Forest Management	2	
Forest Assessment	3	
Animal Behavior	3	
Primatology	2	
Intensive Silviculture	3	
Pulp and Paper Technology	2	

Bachelor of Architecture

Courses	Credits	Notes
SEMESTER 1		
Religious Education	2	
Anthropology and Architectural Culture	2	
Ecological Architecture	2	
Indonesian Languange	2	
Architectural Communication Engineering Drawing I	3	
Engineering Mathematics	2	
Introduction to Architecture	2	
Architectural Aesthetics and Visuals	2	
SEMESTER 2		
Architectural Communication Engineering Drawings II	3	
Architectural Materials	2	
Pancasila	2	
Architectural Design I	5	
Building Structural Engineering I	3	
Archipelago Architecture History	2	
Architectural Theory I	2	
SEMESTER 3		

Building Physics I	2	
Basic Planning and Design Methods	2	
Architectural Design II	5	
Building Structural Engineering II	3	
History of International Architecture	2	
Material Technology	2	
Architectural Theory II	2	
SEMESTER 4		
Building Physics II	2	
Interior and Exterior	2	
Architectural Design III	5	
Landscape and Site Design	3	
Architectural Psychology and Behavior	2	
Building Structural Engineering III	3	
Architecture Utility	2	
SEMESTER 5		
Javanese architecture	2	
Architecture of Village and City Areas Ii	3	
Village and City Settlement Architecture I	3	
Product Design	2	
Philosophy of Science	2	
Architectural Conservation	2	
Advanced Planning and Design Methods	2	
Architectural Design IV	2	
Building Structural Engineering IV	3	
Universal Design	2	
SEMESTER 6		
Green Architecture	2	
Thematic Architecture	2	
Tropical Architecture	2	
Post Occupational Evaluation	2	
Entrepreneurship	2	
Computer Graphics	2	
Architectural Research Methodology	2	
Architectural Design V	5	
Building Structural Engineering V	3	
SEMESTER 7		
Adaptive Reuse Heritage Areas and Buildings	2	
Architecture and Agency	2	
Architectural Photography	2	
City Village	2	
Architectural Design VI	5	
Sustainable Tourism Destination Planning	2	

Bachelor of Civil Engineering

Courses	Credits	Notes

SEMESTER 1		
English	2	
Basic Physics I	4	
Engineering Drawings	2	
Basic Earth Sciences (Biology and Geology)	2	
Calculus	4	
Basic Chemistry	2	
Religious Education	2	
Introduction to Civil Engineering	2	
SEMESTER 2		
Computer Aided Design	2	
Basic Physics II	4	
Soil Measurement (Geomatics)	3	
Advanced Calculus and Linear Algebra	4	
Soil Mechanics I	3	
Pancasila	2	
Statics	4	
SEMESTER 3		
Building Materials and Material Properties	2	
Material Mechanics	4	
Fluid Mechanics	2	
Soil Mechanics II	3	
Computer Programming	2	
Differential Equations	4	
Transportation System	2	
Statistics and Probability I	2	
SEMESTER 4		
Structure Analysis	2	
Indonesian Language	2	
Highway Geometry	3	
Hydraulics	2	
Hydrology	2	
Civic Education	2	
Methods and Numerical Computing	3	
Environmental and Sanitation Engineering	2	
Foundation Engineering I	2	
SEMESTER 5		
Matrix Formulation Structure Analysis	2	
Engineering Economics	2	
Irrigation	2	
Construction Method	2	
Highway Pavement	3	
Foundation Engineering II	2	
Water Resources Engineering	2	
Mass Transportation System	2	
Steel Structure	2	
Concrete Structure	2	
SEMESTER 6		

Water building	2	
Drainage	2	
Civil Engineering Building Design (Capstone Design)	3	
Steel Structure Design	2	
Concrete Structure Design	2	
Earthquake Engineering	2	
Bridge Engineering	2	
Traffic Engineering	2	
Construction Management and Systems	2	
SEMESTER 7		
Legal Aspects of Construction Services	2	
Building Information Modeling	2	
Transportation Economics	2	
Construction Cost Estimation and Control	2	
Engineering Geology	2	
Sustainability Infrastructure	2	
Transportation and Environmental Safety	2	
Entrepreneurship	2	
Highway Pavement Performance	2	
Geotechnical Computing	2	
Transportation Impact Control	2	
Lean Construction	2	
Infrastructure Management	2	
Traffic Management	2	
Project management	2	
Risk Management	2	
Water Resources Modeling	2	
Advanced Programming	2	
Waste Management	2	
Rail Road Design	2	
Design of Prestressed Concrete Structures	2	
Composite Structure Design	2	
Soil Improvement	2	
Dam Planning	2	
Construction Planning and Scheduling	2	
Transportation Facility Planning	2	
Waste Water Treatment Installation Planning	2	
Urban Area Green Sanitation Planning	2	
Transportation Planning	2	
Soil Strengthening with Geosynthetics	2	
Advanced Traffic Engineering	2	
Coastal Engineering	2	
Harbor Engineering	2	
River Engineering	2	
High Building Structure System	2	
Light Steel Structure	2	
Wood Structure	2	

Advanced Concrete Technology	2	
Geotechnical Special Topics	2	
Special Topics in Construction Management	2	
Special Topics in Materials and Structural Engineering	2	

Bachelor of Industrial Engineering

Courses	Credits	Notes
SEMESTER 1		
English	2	
Basic Physics I	3	
Calculus I	3	
Civic Education	2	
Basic Chemistry	2	
Engineering Drawing	2	
Religious Education	2	
Introduction to Economics	2	
Introduction to Industrial Engineering	2	
Industrial Environment System	2	
SEMESTER 2		
Cost Analysis and Estimation	2	
Biology	2	
Basic Physics II	3	
Calculus II	3	
Materials Engineering	2	
Engineering Mechanics	2	
Introduction to Engineering and Design	2	
Computer Programming Practice	1	
Basic Physics Practicum	1	
Computer Program	2	
Industrial Psychology	2	
SEMESTER 3		
Linear Algebra	3	
Engineering Economics	2	
Industrial Electronics	2	
Machine Elements	2	
Ergonomics	2	
Optimization Mathematics	3	
Basic Physics Practicum II	1	
Industrial Engineering Design Practicum I	2	
Manufacturing Process I	2	
Probability Theory	3	
SEMESTER 4		
Information System Analysis and Design	3	
Work System Analysis and Design	2	
Pancasila	2	
Operational Research I	3	
Industrial Engineering Design Practicum II	2	

Manufacturing Process II	2	
Statistics	3	
Occupational Health and Safety	2	
Industry Organization and Management	3	
SEMESTER 5		
Indonesian Language	2	
Entrepreneurship	2	
Production System Automation	2	
Marketing	2	
System Modeling	2	
Operational Research II	3	
Quality Control and Assurance	2	
Production Planning and Control	3	
Industrial Engineering Design Practicum III	2	
SEMESTER 6		
Production System Analysis	3	
Work Biomechanics	2	
Production Auxiliary Design	2	
Facility Layout Design	3	
Industrial Engineering Design Practicum IV	2	
Computer Simulation	3	
SEMESTER 7		
Multivariate Analysis	3	
Company Analysis and Design	3	
Assistive Technology	3	
Industrial Ecology	3	
Cognitive Ergonomics	3	
Environmental Ergonomics	3	
Ergonomics for People with Special Needs	3	
Body Electricity	3	
Technology-Based Entrepreneurship	3	
Product Creativity and Innovation	3	
Management of Small and Medium Industries	3	
Complexity Management	3	
Maintenance Management	3	
Project management	2	
Sustainable Supply Chain Management	3	
Human Resource Management	3	
Smart Manufacturing	3	
Mechanical System Mechanism	3	
Multiple Criteria Decision Making	3	
Experimental Design	3	
Environmentally Friendly Material Handling Design	3	
Work Method Improvement	3	
Product Planning and Design	3	
Final Project Proposal	2	
Integrated Design Project	3	

Quality Engineering	3	
Supply Chain Engineering	2	
Modern Robotics	3	
Standardization	3	
Inventory Theory	3	

Bachelor of Mechanical Engineering

Courses	Credits	Notes
SEMESTER 1		
Indonesian Language	2	
English	2	
Physics I	3	
Materials Science	3	
Calculus I	2	
Chemistry	2	
Engineering Drawings	2	
Religious Education	2	
Materials Science Practicum	1	
Statistics	2	
SEMESTER 2		
Algebra	3	
Physics II	3	
Calculus II	3	
Machine Drawing	2	
Physics Practicum	1	
Manufacturing Process	3	
Structural Statics	3	
Basic Thermodynamics	3	
SEMESTER 3		
Basic Fluids	2	
Kinematics	3	
Mathematics I	3	
Strength Mechanics of Materials	3	
Physical Metallurgy	2	
Civic Education	2	
Engineering Measurement and Data Acquisition	2	
Manufacturing Process Practicum	2	
Engineering Thermodynamics	2	
SEMESTER 4		
Biology	3	
Dynamics	2	
Machine Elements I	2	
Industrial Management	2	
Mathematics II	3	
Fluid Mechanics	2	
Computer Programming	2	
Heat Transfer I	3	

Physical Metallurgy Practicum	1	
Non-Metal Machining Processes	2	
SEMESTER 5		
Machine Elements II	3	
Mechanical Vibration	3	
Basic Socio-Cultural Science	2	
Computational and Numerical Methods	3	
Heat Transfer II	2	
Machine Basic Phenomenon Practicum	2	
Metal Non-Machining Process Practicum	1	
Drive Control System	2	
Electrical Power Engineering	2	
SEMESTER 6		
Failure Analysis	3	
Engineering Design	2	
Transportation Design and Technology	3	
Solar Energy	3	
Marine Transportation Industry and Environment	3	
Materials Characterization	3	
Computational Fluid Dynamics	3	
Mechatronics	2	
Energy Conversion Machine	2	
Finite Element Method	3	
Pancasila	2	
Selection of Materials and Processes	2	
Mechatronics Practicum	1	
Machine Performance Practicum	2	
Occupational Safety Maintenance and Health Engineering	3	
SEMESTER 7		
Heat Exchanger	3	
Predictive Care	3	
Engineering Project	2	
Proposal Seminars	2	
Casting Technology	3	
Welding Technology	3	
Technopreneurship	3	

Bachelor of Chemical Engineering

Courses	Credits	Notes
SEMESTER 1		
English	2	
Physics: Fluids, Heat, Electricity and Waves	2	
Physics: Motion, Energy and Momentum	2	
Calculus	3	
Chemical analysis	3	

General Chemistry	3	
Religious Education	2	
SEMESTER 2		
Principles of Chemical Engineering	3	
Indonesian	2	
Physical Chemistry	3	
Organic Chemistry	3	
Chemical Engineering Basic Laboratory	2	
Industrial and Environmental Microbiology	3	
Differential Equations	2	
SEMESTER 3		
Basic Laboratory II	2	
Solid-Liquid Separation	2	
Mathematical Modeling	3	
Heat Transfer	3	
Chemical Industry Process	2	
Statistics	2	
Chemical Engineering Thermodynamics I	3	
Fluid Transport	2	
SEMESTER 4		
Evaporation and Crystallization	2	
Numerical Methods and Computer Programming	3	
Nanomaterials	2	
Mass Transfer Operations	3	
Handling of Solid Materials	3	
Processing of Gas and Oil	2	
Foodstuff Technology	2	
Waste Treatment Technology	2	
Chemical Engineering Thermodynamics II	3	
Utilities: Supply of Water, Steam and Compressed Air	2	
SEMESTER 5		
Distillation And Extraction	3	
Displacement Phenomena	2	
Entrepreneurship	2	
Chemical Reaction Kinetics	3	
Chemical Engineering Operations Laboratory	2	
Process Selection	2	
Food Processing with Fermentation	2	
Electrochemical and Battery Technology	2	
Food Drying Technology	2	
Polymer Technology	2	
Utilities: Fuels, Prime Mover, and Electrical Power Engineering	2	
SEMESTER 6		
Chemical Engineering Economics	2	
Technopreneurship	2	

Project Management	2	
Research Methodology	2	
Process Control	3	
Data Processing and Statistics	2	
Chemical Reactor	3	
Product Engineering	2	
Biodiesel Technology	2	
Hydrogen Technology and Fuel Cells	2	
Leather Industry Technology	2	
Membrane Technology	2	
Vegetable Oil Technology	2	
Particle Technology	2	
Natural Dyes Technology	2	
SEMESTER 7		
Chemical Engineering Construction Materials	2	
Occupational Health, Safety and Environment	2	
Energy Management	2	
Process Tool Design	3	
Chemical Plant Design	4	
Process Design Simulation	3	
Cement and Ceramic Technology	2	
SEMESTER 8		
Catalyst and Catalysis	2	
Civic Education	2	
Pancasila	2	
Boiler Technology	2	

Bachelor of Urban and Regional Planning

Courses	Credits	Notes
SEMESTER 1		
Indonesian Language	2	
Geo Ecology	2	
Survey and Data Management	2	
Planning Mathematics	2	
Religious education	2	
Introduction to Geography	2	
Introduction to Regional and Urban Planning	3	
Mapping Technique	2	
Planning Presentation Techniques	3	
SEMESTER 2		
Regional and City Economy	2	
Regional and City Infrastructure	3	
Population	2	
Environmental Management	3	
Transportation Planning	3	
Planning Process	2	

Sociology	2	
Land Use and Development	3	
Housing and Settlement Theory and Policy	3	
SEMESTER 3		
Location Analysis and Spatial Patterns	3	
Planning Analysis Method	3	
Development Planning and Financing	3	
City Planning	3	
Site Planning	3	
Modeling in Planning	3	
Planning Process Studio	4	
SEMESTER 4		
Planning Administration Law	2	
Urban Management	2	
Settlement Housing Planning Methods and Techniques	2	
Research methods	3	
Housing Development Financing	2	
Urban Design	3	
Regional Planning	3	
Urban Planning Studio	4	
SEMESTER 5		
Housing Design and Technology	2	
City Village	2	
Civic Education	2	
Entrepreneurship	2	
Inclusive City	2	
Transit Oriented Development	2	
Special Area Planning	2	
Commercial Area Planning	2	
Planning for Coastal Areas and Small Islands	2	
Rural Planning	2	
Strategic Planning	2	
Regional Planning Studio	4	
Planning Evaluation Techniques	2	
Participatory Planning Theory	2	
Urban Heritage	2	
SEMESTER 6		
Building and Environmental Design	2	
International Thematic Planning Workshop I	2	
International Thematic Planning Workshop II	2	
Strategic Environmental Assessment	2	
Smart City	2	
Creative City	2	
Disaster Risk Management	2	
Participatory Planning Methods and Techniques	2	
Pancasila	2	

Preservation of Regions and Culture	2	
Sustainable Settlement Development	2	
City Rejuvenation	2	
Border Area Planning	2	
Tourism Planning	2	
Spatial Behavior	2	
City Psychology	2	
Housing and Settlement Planning Studio	4	
Planning Theory	2	
SEMESTER 7		
Collaborative Housing Development Planning	2	
Professional ethics	2	
Project management	2	
Urban Climate Change	2	
Real Estate	2	
City Informal Sector	2	
Sustainable Urbanization	2	
Sustainable Transportation Technology	2	

Bachelor of Electrical Engineering

Courses	Credits	Notes
SEMESTER 1		
Linear Algebra	3	
Basic Physics I	3	
Calculus I	3	
Chemical	2	
Discrete Mathematics and Logic	3	
Electrical Engineering Orientation	2	
SEMESTER 2		
Basic Physics II	3	
Calculus II	3	
Computer Organization and Architecture	2	
Basic Electrical Practicum I	1	
Basic Physics Practicum	1	
Digital Engineering Practicum	1	
Probability and Statistics	3	
Creative Project I	1	
Electrical Circuit I	2	
Digital Engineering	2	
SEMESTER 3		
Basic Electronics	2	
Signals and Systems	2	
Engineering Mathematics I	3	
Electromagnetic Field	3	
Basic Electrical Machines	2	
Numerical Method	3	

Basic Electrical Practicum II	1	
Electrical Creative Project I	2	
Electrical Circuit II	2	
SEMESTER 4		
Analog Electronics	2	
Instrumentation	2	
Engineering Mathematics II	3	
Electronics Practicum	1	
Electrical Power Engineering Practicum	1	
Creative Project III	1	
Control System	3	
Microprocessor System	2	
Electrical Power Engineering	2	
Basic Telecommunications	2	
SEMESTER 5		
Algorithms and Data Structures	2	
Power System Analysis	3	
Antenna and Propagation	3	
Data Communications Network	2	
Mechatronics	2	
Advanced Electrical Machines	2	
Electric Power Generation	3	
Digital Signal Processing	3	
Power System Equipment	2	
Hydraulic Pneumatics	3	
Control System Practicum	1	
Telecommunications Practicum	1	
Electro Creative Project II	2	
Microprocessor Based Systems	2	
Information Systems	2	
Automation System and Programmable Logic Controller	3	
Embedded and Peripheral Systems	3	
Advanced Control Engineering	3	
Robotic Engineering	2	
Transmission and Distribution of Electric Power	3	
SEMESTER 6		
Capstone Design	2	
Power Electronics	3	
New and Renewable Energy	2	
Smart Vehicle	3	
System and Energy Control	3	
Pancasila	2	
Advanced Programming	3	
Digital System Design	3	
Integrated System	3	
Installation Engineering	3	

Protection Engineering	3	
Advanced Telecommunications	3	
Preffered Topic of Computer and Telecommunications	3	
Preffered Topic of Mechatronic Control	3	
Preffered Topic of Power Engineering	3	
SEMESTER 7		
Religious Education and Ethics	2	
Big Data and Analytics	2	
Power System Dynamics and Stability	3	
Artificial intelligence	3	
Civic Education	2	
Entrepreneurship	2	
Power Quality	2	
Industrial Management	3	
Occupational Health and Safety Management	3	
Electrical Power System Operation	3	
Remote Sensing	3	
Thesis Proposal Seminar	2	
Satellite Communication System	3	
Smart Grids	3	
Transportation Technology and Electric Vehicles	3	
SEMESTER 8		
Indonesian Language	2	
Biomedical Instrumentation	3	
Machine Learning	3	
Microelectronics	3	
Mobile Application Development	3	
Design of New and Renewable Energy Generators	3	
Fiber Optic Communication System	3	
Energy Storage System	3	
Neuro-fuzzy Control Technique	3	
Adaptive Control Techniques	3	

Bachelor of Indonesian Language and Literature Education

Courses	Credits	Notes
SEMESTER 1		
Indonesian Language	2	
Basics of Speaking	2	
Phonology	2	
Education Science	2	
General Linguistics	2	
Pancasila	2	
Language Coaching and Development	2	
Religion Education	2	

Learners Development	2	
Ancient Literature	2	
Theories of Literature	2	
SEMESTER 2		
Advanced Talking	2	
Counseling Guidance	2	
Javanese Cultural Studies	2	
Reading Techniques and Aesthetics	2	
Listening Critically and Aesthetically	2	
Morphology	2	
Civic Education	2	
School Library and Laboratory Management	2	
Curriculum and Syllabus Assessment	2	
Semantics	2	
SEMESTER 3		
Textbook Research and Writing	2	
Entrepreneurship	2	
Literary Criticism	2	
Extensive and Quick Reading	2	
Comprehensive Reading	2	
Information Technology-Based Learning Methods	2	
Inclusive Education	2	
Psycholinguistics	2	
Syntax	2	
Sociolinguistics	2	
SEMESTER 4		
Evaluation of Language and Literature Learning	3	
Fictional Prose Appreciation Study	3	
Poetry Appreciation Review	3	
IT-Based Buyer Media Development	2	
Language and Literature Teaching Planning	2	
SEMESTER 5		
Language Error Analysis	2	
Fundamentals of Broadcasting	2	
Editing Basics	2	
Print Journalism	2	
Journalism II	2	
Broadcasting II	2	
Comparative Historical Linguistics	2	
Scientific Writing	2	
Qualitative Research	2	
Quantitative Research	2	
Editing II	2	
Directing	2	
Pragmatics	2	
SEMESTER 6		

Statistics	3	
Micro Teaching	2	
Language and Literature Worksho	2	
SEMESTER 7		
Discourse Analysis	3	
Drama Appreciation Studies	3	
Journalism Internship	3	
Broadcasting Internship	3	
Editing Internship	3	
Proposal Seminar	2	

Bachelor of Mathematics Education

Courses	Credits	Notes
SEMESTER 1		
Indonesia Language	2	
English for Mathematics	2	
Basics Mathematics	3	
Flat Geometry	2	
Educational Science	2	
Calculus I	3	
Diferential Calculus	3	
Student Development	2	
Basic Statistics	3	
Numeric Theory	2	
SEMESTER 2		
Matrix Algebra	2	
Flat Analytical Geometry	2	
Spatial Geometry	2	
Calculus II	3	
Integral Calculus	3	
Capita Selecta Middle School Mathematics	2	
Pancasila	2	
Islam Education	2	
Christian Education	2	
Data Analysis Technique	3	
Study of school mathematics curriculum	2	
SEMESTER 3		
Algorithms and Programming	2	
Linear Algebra 1	2	
Vector Algebra	2	
Spatial Analytical Geometry	2	
Multiple Variable Calculus	3	
Capita Selecta Senior School Mathematics	2	
Civic education	2	
Mathematics Learning Strategy	2	
Probability Theory	3	
SEMESTER 4		

Linear Algebra 2	2	
Counseling Guidance	2	
Multiple Variable Calculus	3	
Computational Mathematics	2	
Mathematics Learning Media	2	
Statistics Methods 2	3	
Inclusion Education	2	
Mathematics Learning Assessment	3	
Linear Program	3	
SEMESTER 5		
Real Analysis 1	3	
Quantitative Research Methods	2	
Innovative of Learning Mathematics	2	
Mathematics Lesson Plannig	3	
Differential Equation	3	
Mathematics Statistics	3	
Group Theory	2	
SEMESTER 6		
Complex Analysis	3	
Real Analysis 2	2	
Transformation Geometry	2	
Numerics Methods	3	
Qualitative Research Methods	2	
Web-Based Mathematics Learning	2	
Micro Teaching	2	
Educational Measurement	3	
Ring Theory	2	
SEMESTER 7		
Advanced Mathematical Studies	2	
Computational Statistics	2	
Multimedia in Mathematics Learning	2	
Mathematics Learning Program Development	2	
Multivariate Statistics	2	
Mathematics Problem Solving Strategy	2	

Bachelor of Building Engineering Education

Courses	Credits	Notes
SEMESTER 1		
Tools	2	
Physics Technique	2	
Educational Science	2	
Mathematics Technique	3	
Mechanics Technique I	2	
Drawing Technique	2	
Pancasila Education	2	
Student Development	2	
Environmental Technique	2	

SEMESTER 2		
Counseling Guidance	2	
Hydraulics and waterworks	2	
Building Materials Science	3	
Building Construction I	2	
Scientific Foundation	2	
Soil Mechanics	3	
Mechanics Technique II	2	
Islam Education	2	
Catholic Education	2	
Christian Education	2	
Concrete Technology	2	
SEMESTER 3		
Geometry I	3	
Entrepreneurship	2	
Building Construction II	2	
Mechanics Technique III	2	
Inclusion Education	2	
Digital Classroom Management	2	
Wood Practice I	2	
Plumbing Engineering and Electrical Mechanical	2	
Foundation Technique	2	
SEMESTER 4		
Road and Bridge Construction Fundamentals	2	
Learning Evaluation	2	
Geometry II	3	
Building Construction III	2	
Mechanics Technique IV	2	
Wood Practice II	2	
2D Computer Aided Design (CAD) Program	2	
Building Technique Learing Strategy	2	
Concrete Structure I	2	
SEMESTER 5		
Furniture Design and Practice	2	
Green Architecture	2	
Innovation in Building Materials and Construction	2	
Lesson Planning	2	
Stone Practice	2	
Plumbing Practice and Electrical Mechanics	2	
Budget Plan	2	
Statistics	2	
Steel Structure	2	
Concrete Structure II	2	
Wooden Structure	2	
SEMESTER 6		
Design and Planning Application	3	

Construction Drawings of Roads, Bridges, and Waterworks	3	
Construction Management	2	
Construction Technology and Methods	2	
Research Methodology	3	
Civic Education	2	
Micro Teaching	2	
Steel Structure Design	2	
Steel and Aluminium Practice	2	
Concrete Practice	2	
SEMESTER 7		
Computer Applications in the Construction Field	2	
Pre-Stressed Concrete	2	
Image of Work Me and Multi Storey Utility	2	
Bamboo Construction	2	
Waterworks Construction	2	
Roads Construction	2	
Bridges Construction	2	
Mockup	2	
Construction Inspection and Repair	2	
Exterior Design	2	
Interior Design	2	
Site Design	2	
3D Computer Aided Design (CAD) Program	2	
Earthquake Technique	2	

Bachelor of English Education

Courses	Credits	Notes
SEMESTER 1		
Indonesia Language	2	
Basic Sentence Patterns	2	
Educational Science	3	
Listening In Daily Communication	2	
Pancasila	2	
Islam Education	2	
Catholic Education	2	
Christian Education	2	
Pronunciation Skills	2	
Reading For General Purposes	2	
Speaking In Daily Communication	2	
SEMESTER 2		
Complex Sentences	2	
English Phonology	2	
Introduction To Linguistics	2	
Listening For General Communication	2	
Paragraph Writing	2	

Civic Education	2	
Student Development	2	
Reading For Professional Purposes	2	
Speaking For General Communication	2	
SEMESTER 3		
Academic Reading	2	
English Morphology	2	
Essay Writing	2	
Introduction To Literature	2	
Introduction To TEFL I	2	
Listening In Professional Context	2	
Publik Speaking	2	
SEMESTER 4		
Academic Listening	2	
Academic Speaking	2	
Academic Writing	2	
Counseling Guidance	2	
Critical Reading	2	
Pendidikan Inklusi	2	
Prose	2	
Reduced Clauses	2	
Sociolinguistics	2	
Teaching English as A Foreign Language II	2	
SEMESTER 5		
Advanced Grammar	2	
Article Writing V	2	
Critical Listening V	2	
Elt Curriculum Dev	2	
English For Specific Purposes	2	
English Language Teaching Material Development	2	
Extensive Reading V	2	
Intro To Elt Research	2	
Language Teaching Evaluation 1	2	
Publik Speaking V	2	
Semantic and Pragmatic	2	
SEMESTER 6		
English Language Teaching Management	2	
Business English Conversation	2	
Business English Writing (BEW)	2	
Classroom Action Research (CAR)	2	
Cross Cultural Understanding	2	
English Language Teaching for Children	2	
Functional Grammar	2	
Language Teaching Evaluation II	2	
Micro Teaching	2	
Qualitative Research	2	
Quantitative Research	2	

SEMESTER 7		
Contrastive And Error Analysis	2	
Entrepreneurship	2	
Seminar On Language Teaching	2	
Seminar On Thesis Proposal	2	
Translation	2	

Bachelor of Physics Education

Courses	Credits	Notes
SEMESTER 1		
Measuring Instruments and Instrumentation	3	
Indonesia Language	2	
English Language	2	
Basic of Science Education	2	
Educational Science	2	
Basic Mathematics	3	
Newtonian Mechanics, Fluids, and Heat	4	Theory
Pancasila	2	
Newtonian Mechanics, Fluids, and Heat	3	Theory
Student Development	2	
Newtonian Mechanics, Fluids, and Heat	1	Practice
SEMESTER 2		
Astronomy	2	
Counseling Guidance	2	
Series and Complex Numbers	3	
Electric And Magnet	3	Theory
Islam Education	2	
Christian Education	2	
Inclusion Education	2	
Civil Education	2	
Electric And Magnet	1	Practice
Basic Statistics	3	
SEMESTER 3		
Differential and Integral Vector	3	
Electromagnetic	3	
Analog Electronics	2	Theory
Physics Learning Evaluation	2	
Wave	3	
Physics Learning Animation Media	3	
Mechanics	3	
Analog Electronics	1	Practice
Physics Learning Strategy	2	
Physics Learning Technology	2	
SEMESTER 4		
Digital Electronic	3	
Modern Physics	3	
Special Functions	3	

Matrix and Vector Space	2	
Optics	3	
Physics Learning Planning	3	
Study of High School Physics Curriculum	2	
SEMESTER 5		
Entrepreneurship	2	
Astrophysics	2	
Education Evaluation Program	2	
Quantum of Physics	3	
Physics Learning Management	2	
Marketing Plan	2	
Research Methodology	3	
Optoelectronics	2	
Introduction to Computing and Numerical Methods	3	
Partial Differential Equations and Complex Functions	2	
Electronics Craft	2	
Thermodynamics	3	
SEMESTER 6		
English for Physics	3	
Physics Learning Assessment	2	
Dynamics of Learning Media	2	
E-commerce	2	
Material Physics	2	
Vocational High School Physics	2	
Statistics Physics	3	
Integrated Physics	2	
Energy Convertion	2	
School Management	2	
Computer Based Learning Media	2	
Learning Media Based on Educational Toys	2	
National Science Olympiad Development	2	
Introduction to Core Physics	3	
Introduction to Solid Substance Physics	3	
Micro Teaching	2	
Introduction to Earth and Disaster Mitigation	2	
Physics Teacher Professional Development	2	
Scientific Writing	2	
Applied Statistics	2	

Bachelor of Mechanical Engineering Education

Courses	Credits	Notes
SEMESTER 1		
English For Academic Purposes	2	
Engineering Physics	2	
Engineering Mathematics	3	

Drawing Machine	3	
Pancasila Education	2	
Student Development	2	
Bench and Plate Work Practice	2	
Machining Theory	2	
SEMESTER 2		
Counceling Guidance	2	
Occupational Health and Safety	2	
Chemical Engineering	2	
Mechanical Engineering	2	
Industrial Metrology	2	
Burning Motor	2	Theory
Islam Education	2	
Catholic Education	2	
Christian Education	2	
Heat Transfer and Thermodynamics	3	
Machining	2	Practice
Las Technology	2	
SEMESTER 3		
Computer Aided Design I	2	
Engineering Element I	2	
Material Science and Metallurgy	3	
Fluid Mechanics	2	
Welding	2	Practice
Electrical and Electronic Engineering	2	
SEMESTER 4		
Automotive Chassis	2	Theory
Computer Aided Design II	2	
Engineering Element II	2	
Educational Science	2	
Automotive Electrical	2	Theory
CnC Machining	2	
Burning Motor	2	Practice
Educational Profession	2	
Industrial Mechanical Maintenance Engineering	2	
Motorcycle Engineering	2	
Casting Engineering	2	
Turbine	2	
SEMESTER 5		
Learning Evalution	2	
Machining Cam	2	
Engineering Design	2	
Automotive Chassis	2	Practice
Automotive Electrical	2	Practice
Advance Welding	2	Practice
Advance Burning Motor	2	Practice
Advance Machining	2	Practice

Motorcycle	2	Practice
Study of Curriculum and Learning Planning	2	
SEMESTER 6		
Aerodynamics	2	
Engineering Dynamics	2	
Composite	2	
Learning Media	2	
Research Methods	2	
Inclusion Education	2	
Micro Teaching	2	
Lift Aircraft	2	
Pump and Compressor	2	
Steam Generating System	2	
Material Technology	2	
SEMESTER 7		
Car Air Conditioner	2	
Automotive Body	2	
Ergonomics	2	
Innovative Creation	2	
Entrepreneurship	2	
Corrosion	2	
Industrial Management	2	
Automotive Production	2	
Coating and Painting	2	
Quality Control	2	
Statisticsc	2	
Cooling Engineering	2	

Bachelor of Guidance and Counseling

Courses	Credits	Notes
SEMESTER 1		
Indonesia Language	2	
Basics of Comprehensive Guidance and Counseling	2	
Educational Science	2	
Socio-Cultural Foundation of Guidance and Counseling	2	
Introduction to Counseling	2	
Student Development	2	
Guidance and Counseling Profession	2	
Learning Psychology	2	
General Psychology	2	
SEMESTER 2		
Mental Health	2	
Basic Counceling Skills	3	
Guidance and Counseling Management	3	
Guidance and Counseling Media	3	

Pancasila	2	
Inclusion Education	2	
Statistics	3	
Group Guidance Theory	2	
Individual Understanding Theory: Non-Test Techniques	2	Theory
SEMESTER 3		
Civil	2	
Qualitative Research in Guidance and Counseling	2	
Individual Plan	2	
Guidance Service Planning	2	
Individual Understanding Theory: Non-Test Techniques	2	Practice
Guidance and Counseling Services Strategy in Schools	2	
Individual Understanding Theory: Test Techniques	2	
SEMESTER 4		
Evaluation and Supervision of Guidance and Counseling	2	
Quantitative Research in Guidance and Counseling	2	
Counselor Competency Development	2	
Development of Guidance and Counseling Programs in High Schools	2	
Development of Guidance and Counseling Programs in Vocational High Schools	2	
Development of Guidance and Counseling Programs in Junior High Schools	2	
Development of Guidance and Counseling Programs in Kindergarten and Elementary Schools	2	
Career Guidance and Counseling	2	Practice
Spiritual Guidance and Counseling	2	Practice
Individual Understanding Theory: Test Techniques	2	Practice
Modern Counseling Theory	4	
Individual Understanding Theory: Non-Test Techniques	2	Theory
SEMESTER 5		
Behavioral Analysis and Change	3	
Quantitative Research in Guidance and Counseling	3	
Modern Counseling	4	
Individual Understanding Theory: Non-Test Techniques	2	Practice
Development of Guidance and Counseling Programs in High Schools	2	Seminar

Development of Guidance and Counseling Programs in Junior High Schools	2	Seminar
Development of Guidance and Counseling Programs in Kindergarten and Elementary Schools	2	Seminar
Development of Guidance and Counseling Programs in Vocational High Schools	2	Seminar
Guidance and Counseling Technology	3	
Group Counseling	2	Theory
Postmodern Counseling	2	Theory
SEMESTER 6		
Multiculture Counseling	2	
Traumatic Counseling	2	
Group Counseling	2	Practice
Postmodern Counseling	3	Practice
Group Guidance	2	
Development of Guidance and Counseling Programs in High Schools	3	Practice
Development of Guidance and Counseling Programs in Vocational High Schools	3	Practice
Development of Guidance and Counseling Programs in Junior High Schools	3	Practice
Development of Guidance and Counseling Programs in Kindergarten and Elementary Schools	3	Practice
Problem of Guidance and Counseling	3	Seminar
Case Study of Guidance and Counseling	2	
SEMESTER 7		
Creative and Long-Distance Counseling	2	
Coaching Management in Guidance and Counseling	2	

Bachelor of Fine Arts Education

Courses	Credits	Notes
SEMESTER 1		
English for Academic Purposes	2	
Shape Drawing	3	
Science Education	2	
Nirmana Dwimatra	3	
Religion Education	2	
Islam Education	2	
Catholic Education	2	
Christian Education	2	
Pancasila	2	
Fine Arts Knowledge	3	
Sketch	3	
SEMESTER 2		
Guidance and Counseling	2	

Drawing Technique	4	
Graphic Computer I	3	
Nirmana Trimatra	3	
Educational Profession	3	
Decorative Variety	3	
History of Indonesian Fine Arts	2	
SEMESTER 3		
Indonesia Language	2	
Photography	2	
Graphic Computer II	3	
Leather Craft I	3	
Metal Craft I	3	
Textile Craft I	3	
Inclusion Education	2	
Civil Education	2	
History of International Fine Arts	3	
Graphic Arts	3	
SEMESTER 4		
Visual Communication Design I	3	
Fine Arts Education	2	
Illustration	3	
Computer Graphics III	3	
Wood Craft I	3	
Ceramic Craft I	3	
Student Development	2	
Painting I	3	
Sculpture I	3	
SEMESTER 5		
Philosophy of Art	2	
Entrepreneurship	2	
Wood Craft II	4	
Ceramic Craft II	4	
Metal Craft 1I	3	
Textile Craft II	3	
Research II	2	
Historoy of Modern Art	2	
Semiotics	2	
Painting II	4	
Socio-anthropology of Fine Arts	2	
Sociology Anthropology of Fine Arts	2	
SEMESTER 6		
Appreciation and Criticism of Fine Arts	3	
Visual Communication Design II	4	
Evaluation of Fine Arts Learning	2	
Fine Arts Management	2	
Method of Creation of Fine Arts	2	
Micro Teaching	2	
Scientific Writing	2	

Pragmatics-semiotics of Fine Arts	2	
Proposal Seminar	2	
Learning Technology	2	
Fine Arts Learning Technology	2	
SEMESTER 7		
Visual Communication Design III	4	
Textile Craft III	4	
Leather Craft III	4	
Wood Craft III	4	
Community Service Program	2	
Painting III	4	

Bachelor of Chemistry Education

Courses	Credits	Notes
SEMESTER 1		
Indonesia Language	2	
Environmental Science	2	
Educational Science	2	
Entrepreneurship	2	
Basic Chemistry I	2	
Chemistry Math	1	Practice
Pancasila	2	
Student Development	2	
Chemistry Math	3	Theory
SEMESTER 2		
English for Chemistry	2	
Guidance and Counseling	2	
Occupational Safety and Health and Laboratory Management	2	
Inorganic Chemistry I	3	
Basic Chemistry II	3	
Islam Education	2	
Catholic Education	2	
Christian Education	2	
Civil Education	2	
Basic Chemistry II	1	Practice
Statistics	2	
Teaching and Learning Strategy	2	
Technology And Coding for Chemistry	2	
SEMESTER 3		
Process Evaluation and Learning Outcomes	2	
Chemical Bond	2	
Capita Selecta High School Chemistry	2	
Basic Analytical Chemistry	2	
Inorganic Chemistry II	3	
Physical Chemistry I	3	
Organic Chemistry I	3	

Inclusive Education	2	
Basic Analytical Chemistry	2	Practice
Inorganic Chemistry	1	Practice
Organic Chemistry	1	Practice
SEMESTER 4		
Biochemistry	3	Theory
Capita Selecta Chemistry Vocational High School	2	
Chemical Physics II	3	Theory
Organic Chemistry II	3	Theory
Digital Classroom Management	2	
Lesson Planning	2	
Biochemistry	1	Practice
Chemical Physics II	1	Practice
Organic Chemistry II	1	Practice
Spectrophotometry	1	Practice
Spectrophotometry	3	Theory
SEMESTER 5		
Elemental Chemistry	3	
Chemical Kinetics	3	
Chromatography And Electrometry	3	
Research methodology	3	
Chemistry Craft	2	
Elementary Chemistry	1	Practice
Chemical Kinetics	1	Practice
Chromatography And Electrometry	1	Practice
Stereochemistry And Organic Reaction Mechanisms	2	
SEMESTER 6		
Pharmaceutical And Food Analysis	2	
Biochemistry II	3	
Chemical Products Business and Chemistry Education	2	
Structure Elucidation of Organic Compounds	2	
Chemical industry	2	
Core Chemistry and Radiochemistry	2	
Solid Substance Chemistry	2	
Mineralogy	2	
Micro Teaching	2	
Review the 21st Century Chemistry Curriculum	2	
SEMESTER 7		
Biotechnology in the Chemical Industry	2	
Computational Chemistry	2	
Organic Chemistry of Natural Ingredients	2	
Polymer Chemistry	2	
Development of Educational Evaluation Instruments	2	

Bachelor of Economic Education

Courses	Credits	Notes
SEMESTER 1		
Catholic Education	2	
Christian Education	2	
Introductory Accounting	3	
Indonesia Language	2	
Macro Economy	3	
Micro Economy	3	
Science Education	2	
Introductory Management	3	
Economic math	3	
Religion Education	2	
SEMESTER 2		
Advanced Macroeconomics	3	
Advanced Microeconomics	3	
Economic Development	3	
Economics of Taxation	3	
Economic Learning Evaluation	3	
Student Development	2	
Statistics	3	
Economist Learning Strategy	2	
SEMESTER 3		
Banks and Non-Bank Financial Institutions	3	
International Economics and Finance	3	
Monetary Economics and Digital Finance	3	
Sharia Economics	3	
Research methodology	3	
Pancasila	2	
Economic Learning Planning	3	
SEMESTER 4		
Benefit and Cost Analysis for Business	3	
Counseling guidance	2	
Digital Economy	3	
Educational Economics	3	
Human Resource Economics	3	
Business management	3	
Small Medium Enterprises Management	3	
Inclusive Education	2	
Civic education	2	
Digital Classroom Management	2	
Data Analysis Techniques	3	
SEMESTER 5		
Environmental Economics	3	
Business Law	3	
Institutional and Financial markets	3	

Entrepreneurship	2	
Business communication	3	
Financial management	3	
Micro Teaching	3	
Business Feasibility Study	3	
SEMESTER 6		
Business Ethics	3	
SEMESTER 7		
Teaching Profession Ethics	2	
Classroom action research	3	
Development of Economist Teaching Materials	3	
Curriculum Development	3	
Learning Media Development	3	

Bachelor of Biology Education

Courses	Credits	Notes
SEMESTER 1		
Plant Anatomy and Morphology	3	
Indonesia Language	2	
Biology Cells	2	
General Biology	2	
Environment Science	2	
Education Science	2	
Pancasila	2	
Islam Education	2	
Catholic Education	2	
Christian Education	2	
Civil Education	2	
SEMESTER 2		
Counseling guidance	2	
Biochemistry	3	
Basic Scientific Writing	2	
Basic Science and Mathematics	2	
Diversity And Classification of Cryptogamae	3	
Invertebrate Diversity and Classification	3	
Digital Classroom Management	2	
Student Development	2	
Review the High School Biology Curriculum	2	
SEMESTER 3		
Actinomycete Biology	2	
Biostatistics	2	
Biotechnology	2	
Ethnobotany	2	
Diversity And Classification of Phanerogamae	3	
Vertebrate Diversity and Classification	3	

Microbiology	3	
Biology Learning Strategy	2	
Medicinal plants	2	
SEMESTER 4		
Human Physiology Anatomy	3	
Bioconservation	2	
Biology Learning Evaluation	2	
Evolution	2	
Plant Physiology	3	
Genetics	3	
Media and Learning Resources	2	
Microtechnical	2	
SEMESTER 5		
Ecology	3	
Embryology And Animal Development	3	
English For Biology	2	
Animal physiology	3	
Plant tissue isolation method	3	
Secondary Metabolites	2	
Biology Lesson Planning	3	
Stem Biology	2	
SEMESTER 6		
Test Animal Diabetes	2	
Animal Ecology	3	
Animal Embryology	3	
Endocrinology	3	
Gaming Learning in Biology	2	
Microteaching	2	
Mycology	2	
Ornithology	2	
Inclusive Education	2	
Biology Education Research	3	
Natural Material Technology	2	
Virology	2	

Bachelor of Historical Education

Courses	Credits	Notes
SEMESTER 1		
Indonesia Language	2	
Science Education	2	
Islam Education	2	
Catholic Education	2	
Christian Education	2	
Pancasila	2	
Historical Education Science	2	
Student Development	2	
South Asian History	3	

History of Indonesia Praaksara Mass and Hindu-Buddhist	4	
SEMESTER 2		
Counseling guidance	2	
Civic education	2	
American History	3	
Southeast Asian History	3	
History of Indonesia during the Islamic Period	4	
Colonial History	4	
SEMESTER 3		
Entrepreneurship	2	
Museology and Archives	2	
Lesson Planning	2	
Southwest Asian History	3	
East Asian History	3	
European History	3	
History of Indonesia Mass National Movement to Liberal Democracy	4	
Learning Strategy and Innovation	2	
SEMESTER 4		
Anthropology	2	
Agrarian History	2	
History of Southwest Asia II	2	
Middle Indonesia History II	2	
Cultural History	2	
Maritime History	2	
Local History	2	
History of Thought	2	
History of Education	2	
Political History	2	
Sociology	2	
Strategi Belajar Mengajar Sejarah	2	
SEMESTER 5		
Evaluation of History Learning	2	
Philosophy of History	2	
Qualitative Research Methods	2	
Quantitative Research Methods	2	
Methodology And Historiography	2	
Character Value Learning	2	
Classroom Action Research	2	
History Lesson Planning	2	
American History I	2	
New Indonesian History I	2	
SEMESTER 6		
Curriculum Study	2	
Kuliah Kerja Lapangan Sejarah	3	
Social Science Learning	2	

Inclusive Education	2	
Micro Teaching I	2	
Development of Teaching Materials	2	
American History 2	2	
History and Tourism Studies	2	
Latest World History	2	
New Indonesian History 2	2	
Seminar	2	
Education Statistics	2	
Learning technologies	3	
SEMESTER 7		
Recent Indonesian History	2	

Bachelor of Physical, Health, and Recreation Education

Courses	Credits	Notes
SEMESTER 1		
Sports Anatomy and Physiology	2	
Athletics I	2	
Indonesia Language	2	
English	2	
Basketball I	2	
Volleyball I	2	
Performance Development I	1	
Pancasila Education	2	
History and Principles of Sports	2	
Gymnastics I	2	
Football I	2	
SEMESTER 2		
Anatomy And Physiology of Exercise	3	
Athletics II	2	
Basketball II	2	
Volleyball II	2	
Basic Sports Coaching Ilmu	3	
Performance Development II	1	
Religious education	2	
Perkembangan Gerak	3	
Gymnastics II	2	
Football II	2	
SEMESTER 3		
Rhythmic Activity	2	
Athletics III	2	
Learn Motion	3	
Entrepreneurship	2	
Sports Pedagogy I	2	
Achievement Development III	1	
Civic education	2	
Swimming I	2	

Physical Education Technology	2	
Tennis Court	2	
Test, Measurement and Evaluation	2	
SEMESTER 4		
Sports Nutrition	2	
Sports Management	2	
Recreational Sports	2	
Sports Pedagogy II	3	
Achievement Coaching IV	1	
Pencak Silat I	2	
Little Ball Game	2	
Sports Profession	2	
Physical Education Profession	2	
Swimming II	2	
SEMESTER 5		
Badminton	2	
Sports Health Science	2	
Industry And Sports Tourism	2	
Physical Education Curriculum	2	
Sports Massage	2	
Research methodology	2	
Achievement Development V	1	
Pencak Silat II	2	
Sports Research	2	
Statistics	3	
SEMESTER 6		
Sports Biomechanics	2	
Sports Injury Massage	2	
Achievement Coaching VI	1	
Sports Injury Prevention and Treatment	2	
Adaptive Physical Education and Paralympic Sports	3	
Field Experience Program I	2	
Sports Psychology	2	
Sports Sociology	2	
SEMESTER 7		
Sports Facilities	2	
Traditional Sports	2	
Sepak Takraw	2	

Bachelor of Special Education

Courses	Credits	Notes
SEMESTER 1		
Catholic Religion	2	
Indonesia Language	2	
English	2	
Science Education	2	

General Orthopedagogy	4	
Pediatrics	2	
Pancasila Education	2	
Curriculum Development	2	
Student Development	2	
Educational Profession	2	
Psychology of Children with Special Needs	2	
Learning Psychology	2	
SEMESTER 2		
Identification and assessment of children with special needs I	2	
Identification and Assessment of Children with Special Needs 1	2	
Orthodidactic Children with Emotional and Behavioral Barriers	2	
Orthodidactic Children with Intellectual Barriers	2	
Orthodidactic Children with Learning Difficulties and Slow Learners	2	
Orthodidactic Children with Motor Impairment	2	
Orthodidactic Children with Hearing Impairment	2	
Orthodidactic Children with Visual Impairment	2	
Orthopedagogics for Autistic and Autistic Children	2	
Religious education	2	
Civic education	2	
Rehabilitation of Children with Special Needs	2	
SEMESTER 3		
Tutoring And Academic Remedial	2	
Guidance and Counseling for Children with Special Needs	2	
Identification and assessment of children with special needs II	2	
Identification and Assessment of Children with Special Needs II	2	
Media and Assistive Technology for Children with Special Needs	2	
Research Methods I	2	
Orthodidactic Compound Barriers		
Intelligent and Special Talented Children Education	2	
Inclusive Education	2	
Pengelolaan Kelas Digital	2	
Pengukuran Psikologi	2	
Statistics I	2	
SEMESTER 4		

Self Development of Children with Intellectual Disorders	2	
Fostering Communication, Perception of Sound and Rhythm	2	
Orientation And Mobility	2	
Inclusive Education	2	
Self Development and Movement	2	
Creativity Development	2	
Learning Planning	2	
Statistics I	2	
SEMESTER 5		
Speech Development	2	
Adaptive Physical Education Curriculum, Learning and Assessment	2	
Research Methodology I	2	
Behavior Modification and Social	2	
Pediatric Orthopedagogic Compound Disorder	2	
Class Management for Children with Special Needs	2	
Statistics II	2	
Learning strategies	2	
SEMESTER 6		
Audiology	2	
Sign language	2	
Learning Evaluation	2	
Attention Disorder and Hyperactivity	2	
Reading And Writing Braille	2	
Read And Write Advanced Braille	2	
Research Method II	2	
Neurology	2	
Optalmologi	2	
Micro Teaching	2	
Communication Development and Social Integration for Autistic Children	2	
SEMESTER 7		
Clinical Guidance and Counseling for Children with Special Needs	2	
Management and Community Empowerment	2	
Media and Assistive Technology for Children with Special Needs	2	
Research Proposal Seminar	2	

Bachelor of Geography Education

Courses	Credits	Notes
SEMESTER 1		
English Academic Purposes	2	
Demographics	2	

Social Geography	2	
Basic Geology	2	
Educational Science	2	
Cosmography	2	
Meteorology And Climatology	2	
Pancasila	2	
Introduction to Geography	2	
Student Development	2	
Geospatial Information Technology	2	
SEMESTER 2		
Indonesia Language	2	
Village Geography	2	
Population Geography	2	
Basic Geomorphology	2	
Handasah	2	
Hydrology	2	
Geology	2	
Oceanography	2	
Islamic education	2	
Catholic Religious Education	2	
Christian Religious Education	2	
Inclusive Education	2	
Educational Profession	2	
SEMESTER 3		
City Geography	2	
Indonesian Geology and Geomorphology	3	
Cartography	2	
Field Work Lecture 1	2	
Civic education	2	
Geography Learning Strategy	2	
Technology and Learning Media	3	
SEMESTER 4		
Guidance and counseling	2	
Residential Geography	2	
Field Work Lecture II	2	
Curriculum and Learning Geography	2	
Geography Learning Materials and Media	3	
Geographical Research Methodology	2	
Social Science Education	2	
Remote Sensing and Image Interpretation	3	
Geography Planning and Learning	2	
SEMESTER 5		
Evaluation of Geography Learning	2	
Land Resource Evaluation	2	
Economic Geography	2	
Development Geography	2	
Regional Geography of Indonesia	2	
Thematic Cartography	3	

Geography Research and Learning Methodology	3	
Basic Geographic Information System	3	
Statistics	3	
SEMESTER 6		
Environmental carrying capacity and carrying capacity	2	
Disaster Geography	2	
Tourism Geography	2	
Development Geography and Regional Planning	3	
World Regional Geography	3	
Natural Resources Geography	2	
Field Work Lecture III and Colloquium	2	
Multimedia Learning Geography	2	
Micro Teaching	2	
Introduction to Amdal	2	
Applied Remote Sensing	2	
Applied Sig	2	
SEMESTER 7		
Cultural Geography and Local Wisdom	2	
Soil and Water Conservation	2	
Disaster Management	2	
Geography Learning Resource Management	2	
Disaster Mitigation Education	2	

Bachelor of Sports Training Education

Courses	Credits	Notes
SEMESTER 1		
Anatomy	2	
Athletics I	2	
Indonesia Language	2	
English	2	
Basketball I	2	
Volleyball I	2	
Performance Development I	1	
Islamic education	2	
Catholic Religious Education	2	
Christian education	2	
Pancasila Education	2	
History and Principles of Sports	2	
Gymnastics I	2	
Football And Futsal	3	
SEMESTER 2		
Athletics II	2	
Basketball II	2	
Volleyball II	2	

Sports Physiology I	2	
Sports Talent Guide	2	
Performance Development II	1	
Sports Injury Prevention and Treatment	2	
Movement Development	3	
Swimming I	2	
Gymnastics II	2	
SEMESTER 3		
Rhythmic Activity	2	
Athletics III	2	
Learn Motion	3	
Badminton I	2	
Sports Physiology II	2	
Entrepreneurship	2	
Sports Pedagogy	2	
Achievement Development III	1	
Civic education	2	
Swimming II	2	
Sports Tests, Measurements and Evaluations	2	
SEMESTER 4		
Sports Biomechanics I	2	
Badminton II	2	
Sports Nutrition	2	
Sports Coaching Methodology	3	
Achievement Coaching IV	1	
Pencak Silat I	2	
Improved Physical Condition	3	
Sports Profession	2	
Sepak takraw	2	
SEMESTER 5		
Sports Biomechanics II	2	
Sports Massage	2	
Research methodology	3	
Adaptive And Paralympic Sports	2	
Achievement Development V	1	
Pencak Silat Ii	2	
Training Program Planning	3	
Sports Sociology	2	
Basic Statistics	2	
SEMESTER 6		
Sports Coaching Evaluation	2	
Sports Injury Massage	3	
Achievement Coaching VI	1	
Sports Research	2	
Field Experience Program I	2	
Sports Psychology	3	
Applied Statistics	2	
Tennis Court	3	

SEMESTER 7		
Sports Facilities	2	
Sports Management	2	
Little Ball Game	2	

Bachelor of Pancasila and Civic Education

Courses	Credits	Notes
SEMESTER 1		
Indonesian Languange	2	
English	2	
Moral Philosophy	2	
Agrarian Law	2	
Citizenship Law	2	
Citizenship Science	2	
State Science	2	
Educational Sciences	2	
Political Science	2	
Country Of Law and Human Rights	2	
Islamic Education	2	
Pancasila Education	2	
Student Development	3	
Indonesian Legal System	2	
Theory And Constitutional Law	2	
Democracy And Election Theory	2	
SEMESTER 2		
Guidance and counseling	2	
Customary Law	2	
Commercial Law	2	
Civil Law	2	
Criminal Law	2	
Constitutional Law	2	
The Basic Concept of Citizenship	2	
Catholic Christian Religious Education	2	
Protestant Christian Religious Education	2	
Civic education	2	
Values Education	2	
Indonesian Political System	2	
Civic Education Learning Theory	2	
SEMESTER 3		
Citizenship Economics	2	
Procedural Law	2	
Islamic Law	2	
Entrepreneurship	2	
Student Intern A	2	
Legal Politics and Acts	2	
SEMESTER 4		
State Administrative Law	2	

International Law	2	
Pancasila Ideology	2	
Multicultural Citizenship	2	
Corruption And Social Pathology	2	
Citizenship Education Learning Media	2	
Local Governance	2	
Inclusive Education	2	
Citizenship Education Learning Planning	2	
Legal Sociology	2	
Citizenship Political Sociology	2	
SEMESTER 5		
International Relations and Global Development	2	
Public Policy	2	
Environmental Citizenship	2	
Job Training	2	
State Taxes and Finances	2	
Political Development	2	
Civic Education Learning Assessment	2	
Statistics	2	
SEMESTER 6		
Legal Agreement	2	
Study of Citizenship Education Curriculum and Teaching Materials	2	
Legal Selective Capita	2	
Capita Selecta Education	2	
Political Capita Selecta	2	
Capita Selecta Socio-Cultural	2	
Employment	2	
School Leadership Management	2	
Qualitative Research	2	
Micro Teaching	2	
Teaching Material Writing	2	
Social transformation	2	
Defense Politics	2	
Citizenship Education Seminar	2	
Social Security System	2	

Bachelor of Socio-Anthropology Education

Courses	Credits	Notes
SEMESTER 1		
Academic Writing	2	
Indonesian Language Studi	2	
Ethnology and Language	2	
Education Science	2	
Religious Education	2	
Pancasila Education	2	

Introduction to Sociology	3	
Introduction to Anthropology	3	
SEMESTER 2		
Social Symptoms and Problems	2	
Identity, Social Relations, and Cultural Representation	2	
Civic Education	2	
Anthropological Paradigm I	3	
Inclusion Education	2	
Student Development	2	
Education Profession and Educational Internship 1	3	
Social Statistics	3	
Classical Sociological Theory	3	
SEMESTER 3		
Physical Anthropology	2	
Political Economy Studies	2	
Conflict and Integration	2	
Social Institutions	2	
Anthropological Paradigm II	3	
Catholic Religious Education	2	
Christian Education	2	
Non-Formal Education	2	
Social Grouping and Exclusion	2	
Sociolinguistics	2	
Stratification, Differentiation and Social Mobility	3	
Learning Technologies	2	
Modern and Critical Sociological Theory	3	
Oral Tradition	2	
SEMESTER 4		
Learning Assessment	2	
Creative Economy	2	
Integration and Reintegration	2	
Learning Media	2	
Qualitative Research Methods	3	
Quantitative Research Methods	2	
Social Work	2	
Lesson Planning	3	
Teaching and Learning Strategies	3	
Review Curriculum and Teaching Materials	2	
SEMESTER 5		
Languages, Dialects and Oral Traditions	3	
Regional Development Studies	2	
Inequality and Social Problems	3	

School Management	2	
Community Empowerment	2	
Gender Mainstream	2	
Social Transformation	3	
Sociology of Education Anthropology	2	
Social Structure	2	
Postmodern and Contemporary Sociological Theory	3	
SEMESTER 6		
Ethnography	3	
Globalization	3	
Cultural and Media Studies	2	
Local Culture	2	
Conflict and Resolution	2	
Micro Teaching	2	
Socio-Cultural Capital	3	
State, Market and Democracy	3	
Social Planning	2	
SEMESTER 7		
Proposal Seminar	2	

Bachelor of Primary Teacher Education

Courses	Credits	Notes
SEMESTER 1		
Indonesian Language	2	
Numbers and Operations on Numbers	3	
English for Academic Purposes (EAP)	2	
Educational Sciences	2	
Basic Skills of Scientific Thinking	2	
Basic Skills for Scientific Thinking	2	
Physical and Health Education for Elementary Schools	2	
Pancasila Education	2	
Educational Psychology	2	
SEMESTER 2		
Phonology, Morphology and Fundamentals of Indonesian Literature	3	
Geometry And Social Arithmetic	3	
Javanese Culture	2	
Thematic Curriculum	2	
Humans and The Environment	3	
Religious Education	2	
Scouting Education	2	

Civic Education	2	
Student Development	2	
Educational Profession	2	
SEMESTER 1		
Guidance and Counseling	2	
Basic Concepts of Social Sciences	3	
Class Management	2	
Javanese Language Education	2	
Music Arts Education	2	
Syntax, Semantics and Appreciation of Indonesian Literature	3	
Teaching And Learning Strategy	3	
Natural Resources	3	
SEMESTER 4		
Learning Evaluation	3	
Applied Natural Sciences	3	
Indonesian Language and Literature Skills	3	
Entrepreneurship	2	
Basic Concepts Of Pancasila And Citizenship Education	2	
Learning Media	2	
Geometry and Social Arithmetic Learning	3	
Inclusive Education	2	
SEMESTER 5		
Computer and Information Technology	2	
Archipelago Module	4	
Learning Indonesian Language and Literature In Elementary Schools	2	
Elementary School Natural Science Learning	3	
Elementary School Social Science Learning	3	
Primary School Social Science Learning	2	
Elementary School Citizenship Education Learning	2	
Fine Arts Education	2	
Learning Planning	2	
Statistics	3	
Learning Technologies	2	
SEMESTER 6		
English Language	2	
School Based Management	2	
Research Methodology	3	
Micro Learning	2	
Elementary School Java Language Education	2	
Social Science Education in Elementary School 2	3	

Skills Education	2	
Elementary School Theater Arts Education	2	
Classroom Action Research	2	
Social Science Learning Development for Elementary School	3	
SEMESTER 7		
Batik Skills	2	
Community Development Education	2	
Javanese Tradition Games	2	
Indonesian Language Problems	2	
Musical Arts	2	

Bachelor of Early Childhood Education

Courses	Credits	Notes
SEMESTER 1		
Educational Sciences	2	
Effective Communication in Learning	2	
Basic Concepts of Early Childhood Education	4	
Pancasila	2	
Student Development	2	
Educational Psychology	2	
Fine Arts for Early Childhood	2	
SEMESTER 2		
Indonesian Language	2	
English	2	
Guidance and counseling	2	
Citizenship	2	
Early Childhood Education Curriculum	2	
Management of Early Childhood Education Institutions	3	
Islamic Education	2	
Catholic Religious Education	2	
Christian Education	2	
Inclusive Education	2	
Development of Values, Religion, and Moral Early Childhood	2	
Psychology of Child Development I	2	
Learning Strategies and Innovations in Early Childhood Education	3	
SEMESTER 3		
Edupreneurship	3	
Early Childhood Media and Games	3	
Archipelago Module	4	
Early Childhood Language Development	2	
Early Childhood Physical Motor Development	2	

Early Childhood Cognitive Development	2	
Early Childhood Social Emotional Development	2	
Psychology of Child Development II	2	
Art of Music, Movement, and Early Childhood Songs	3	
Teaching English for Young Learners	2	
SEMESTER 4		
Learning Evaluation	2	
Early Childhood Learning Innovations (Innovative models)	3	
Entrepreneurship	2	
Early Childhood Dance Composition	3	
Early Childhood Inclusion Education	2	
Children's Social and Emotional Development	2	
Planning Learning Activities for Early Childhood Education	2	
Early Childhood Education Seminar (literature review)	3	
SEMESTER 5		
Counseling guidance	2	
Research Methodology (Quantitative and Qualitative)	3	
Child Education in the Family	2	
Development of Multiple Intelligences	2	
Development of Early Childhood Foreign Language Skills (English)	3	
Development of Early Childhood Learning Media Based on Communication Information Technology	3	
SEMESTER 6		
Early Childhood Play and Games	3	
Early Childhood Nutrition and Health	3	
Early Childhood Creativity	2	
Microteaching	3	
Early Childhood Behavior Modification	2	
Early Childhood Science and Mathematics Learning	3	
Classroom Action Research	2	
Development of Early Childhood Music, Movement and Song Arts Skills	3	
Education Statistics	3	
SEMESTER 7		
Law, Gender, and Child Protection	2	
Early Childhood Parenting	2	
Development of Entrepreneurship-Based Ape (arts/crafts).	2	

Bachelor of Javanese Language Education

Courses	Credits	Notes
SEMESTER 1		
Indonesian Language	2	
Old Javanese	2	
Javanese Fashion	2	
Etika Jawa	2	
Javanese Text Reading Skills	2	
Javanese Listening Skills	2	
General Linguistics	2	
Pancasila	2	
Religious Education	2	
SEMESTER 2		
Basics of Reading and Writing Javanese Letters	2	
Folklor	2	
Javanese Phonology	2	
Educational Sciences	2	
Skills to Read Scientific Papers	2	
Javanese Text Writing Skills	2	
Javanese Literature Listening Skills	2	
Civic Education	2	
Javanese Social Institutions	2	
Macapat Song	2	
Theory and History of Literature	2	
SEMESTER 3		
Sanskrit	2	
Basics of Karawitan	2	
Javanese Speaking Skills	2	
Scientific Writing Skills	2	
Entrepreneurship	2	
Javanese Innovative Learning Media	2	
Javanese Language Learning Method	2	
Javanese Morphology	2	
Gending Song	2	
SEMESTER 4		
Counseling guidance	2	
Javanese Textbook Study	2	
Advanced Karawitan	2	
Advanced Javanese Speaking Skills	2	
Javanese Literary Criticism	2	
Inclusive Education	2	
Translation	2	
Learning Planning and Educational Internship II	2	
Java Syntax	2	
Statistics	2	

Journalistic Theory	3	
Broadcasting Theory	3	
Editing Theory	3	
SEMESTER 5		
Javanese Culture	2	
Javanese fashion	2	
Evaluation of Javanese Language Learning	2	
Advanced Journalism	3	
Javanese Discourse Study	2	
Javanese Research Methods	2	
Advanced Broadcasting	3	
Advanced Editing	3	
Javanese Social Institutions	2	
Javanese Language Learning Problems	2	
Semantics	2	
Statistics	2	
SEMESTER 6		
Applied Journalism	3	
Drama Appreciation Studies	3	
Micro Teaching	2	
Applied Broadcasting	3	
Applied Editing	3	
Directing	3	
Pragmatics	2	
Oral Literature	2	
SEMESTER 7		
Research Proposal Seminar	2	

Bachelor of Informatics and Computer Engineering Education

Courses	Credits	Notes
SEMESTER 1		
Indonesian Language	2	
Inclusive Education	2	
Calculus	2	
Data Communications and Computer Networks	3	
Scientific Foundation	2	
Basic Multimedia	3	
Structured Programming	3	
SEMESTER 2		
Computer Network Administration	2	
Algorithms And Data Structures	2	
Database	2	
Web Design	1	
Photography	1	
Mathematics For Computer Science II	3	
Religious education	2	

Computer Network Administration Practicum	1	
Database Practicum	1	
Web Design Practicum	1	
Photography Practicum	1	
Educational Profession	2	
SEMESTER 3		
Printing Graphic Design	1	
English For Informatics	2	
Computer Network Security	2	
Object Oriented Programming	2	
Civic education	2	
Printing Graphic Design Practicum	1	
Computer Network Security Practicum	1	
Object Oriented Programming Practicum	1	
Web Programming Practicum	1	
Practicum of Electronics and Instrumentation Circuits	1	
2d Animation Technique Practicum	1	
Electronics And Instrumentation Circuits	2	
Teaching and Learning Strategy	2	
2d Animation Techniques	2	
SEMESTER 4		
Guidance and counseling	2	
Education Evaluation	3	
Wireless Network	2	
Desktop Programming	2	
Student Development	2	
Wireless Network Practicum	1	
Desktop Programming Practicum	1	
3d Animation Engineering Practicum	1	
Software engineering	3	
Applied Statistics	3	
3d Animation Techniques	2	
SEMESTER 5		
Data Mining	2	
Interactive Multimedia Design	2	
Entrepreneurship	2	
Research methodology	3	
Computer Systems Organization	2	
Mobile Device Programming	2	
Web Programming	2	
Inclusive Education	2	
Digital Class Management	2	
Learning Planning	2	
Interactive Multimedia Design Practicum	1	
Mobile Device Programming Practicum	1	
Computer Network Design	2	
Learning technologies	2	

SEMESTER 6		
Wireless Sensor Network	2	
Micro Teaching	2	
Pemrograman Game 2d	2	
Framework-Based Web Programming	2	
Scientific Paper Writing	2	
Robotics	2	
Proposal Seminars	2	
Digital Game Art and Design	2	
Distributed Systems	2	
Audio Video Processing Techniques	2	
SEMESTER 7		
Advanced 3d animation	2	
Big Data	2	
Internet Of Thing	2	
Capita Selecta	2	
Project Work	3	
Cloud Computing	2	
3d Game Programming	2	
Educational Software Development	2	
Video Visual Effects Techniques	2	
E-business Technology	2	

Bachelor of Office Administration Education

Courses	Credits	Notes
SEMESTER 1		
Indonesian Language	2	
English	2	
English For Bussines	2	
Organizational Science	2	
Educational Sciences	2	
Office management	3	
Religious education	2	
Introduction to Administration and Management	3	
Introduction to Economics and Business	3	
Student Development	2	
SEMESTER 2		
Document Processing Application	2	
Counseling guidance	3	
Office Communication	3	
Indonesian Correspondence	2	
English Correspondence	2	
Civic Education	2	
Pancasila Education	2	

Learning strategies	2	
Learning technologies	2	
SEMESTER 3		
Database Processing Application	3	
Evaluation of Office Administration Learning	2	
Secretary	2	
Supplies Management	3	
Human Resource Management	3	
Inclusive Education	2	
Office Administration Learning Planning	2	
Management information System	2	
Descriptive Statistics	2	
Office Technology	3	
SEMESTER 4		
Financial administration	3	
Office Administration System Analysis	3	
Public relations	3	
Secretariat	3	
Records Management	3	
Research methodology	3	
Micro Teaching	2	
Digital Class Management	2	
Inferential Statistics	2	
SEMESTER 5		
Website Programming	3	
SEMESTER 6		
Proposal Seminars	2	

Bachelor of Accounting Education

Courses	Credits	Notes
SEMESTER 1		
English	2	
Education Science	2	
Religious Education	2	
Introduction of Accounting	4	
Introduction to Business	2	
Introduction to Economics	2	
Introduction to Management	2	
Student Development	2	
Indonesian Society Studies	2	
SEMESTER 2		
Intermediate Financial Accounting I	2	
Number Processing Program Application	2	
Indonesian Language	2	
Banks And Non-Bank Financial Institutions	2	
Counseling guidance	2	
Inclusive Education	2	

Pendidikan Pancasila	2	
Statistics	3	
Learning strategies	3	
SEMESTER 3		
Cost Accounting I	3	
Intermediate Financial Accounting II	3	
Banking account	3	
Sharia Banking Accounting	3	
Financial mathematics	3	
Civic Education	2	
Learning Assessment	3	
SEMESTER 4		
Cost Accounting II	2	
Advanced Financial Accounting	3	
Number Processing Program Application I	2	
Accounting computer	3	
Curriculum and Learning Planning	3	
Financial management	3	
Educational Research	3	
Educational Research I	2	
Digital Class Management	3	
Learning Planning	2	
Taxation	2	
Banking Practicum	3	
SEMESTER 5		
Public Accounting	3	
Entrepreneurship	2	
Seminar and Publication of Scientific Papers	2	
Accounting information system	3	
Teaching Accounting and Finance In English	2	
Accounting Theory	3	
SEMESTER 6		
Management Accounting	3	
Educational Accounting	3	
Company Budget	3	
Microfinance Institutions	3	
School Management and Leadership	2	
Accounting Examination	2	
Micro Teaching	2	
Accounting Simulation	3	
SEMESTER 7		
Teaching Accounting in English	3	
Teaching Finance and Banking in English	3	

Bachelor of Mathematics

Courses	Credits	Notes

SEMESTER 1		
Explorative Data Analysis	3	
English	2	
General Biology	2	
Basic Physics	2	
Differential Calculus	3	
Basic Chemistry	2	
Mathematical Logic and Sets	3	
Matrix and Vector Space	2	
SEMESTER 2		
Algorithms and Basic Programming in Python	3	
Linear Algebra	3	
Statistical Analysis	3	
Indonesian Languange	2	
Analytical Geometry	3	
Integral Calculus	3	
Religious Education	2	
Civic Education	2	
SEMESTER 3		
Sets and Fuzzy Logic	2	
Artificial Neural Networks	2	
Multiple Variable Calculus	3	
Mathematical Communication	2	
Database Management	3	
Pancasila	2	
Advanced Programming with Python	3	
Introduction to Special Functions	2	
Introduction to Numerical Mathematics	3	
Introduction to Graph Theory	2	
Ordinary Differential Equations	3	
Theory and Calculate Opportunities	3	
Set Theory	2	
SEMESTER 4		
Complex Functions	3	
Artificial intelligence	2	
Insurance Mathematics	3	
Numerical Mathematics	3	
Forecasting Mathematics	3	
Research Methodology and Scientific Writing Mathematics	2	
Risk Models	2	
Introduction to Control Theory	2	
Deterministic Operations Research	3	
Mathematical Statistics	3	
Graph Theory	2	
Group Theory	2	
SEMESTER 5		

Real Analysis I	3	
Data Science	3	
Entrepreneurship	2	
Non-Linear Programming	2	
Introduction to Discrete Mathematics	2	
Introduction to Stochastic Processes	2	
Numerical Differential and Integral Equations	2	
Probabilistic Operations Research	2	
Simulation Technique	3	
Theory of Differential Equations	3	
Ring Theory	3	
SEMESTER 6		
Real Analysis II	3	
Discrete Mathematics	2	
Epidemiology Modeling	2	
Mathematical Modeling	2	
Introduction to Cryptography and Coding Theory	3	
Technopreneurship	2	
Module Theory	2	
Game Theory	2	
SEMESTER 7		
Capita Selecta	2	
Boundary Condition Problems	3	
Dynamic System	2	

Bachelor of Physics

Courses	Credits	Notes
SEMESTER 1		
Biology	2	
Basic Physics I	3	
Basic Chemistry I	2	
Basic mathematic	3	
Continuous Medium Mechanics	3	
Islamic education	2	
Catholic Religious Education	2	
Christian education	2	
Introduction to Physics Applications	2	
Basic Physics Practicum I	1	
Basic Chemistry Practicum I	1	
Basic Statistic	2	
SEMESTER 2		
Indonesian Language	2	
Analog Electronics	3	
Basic Physics II	3	
Modern Physics	2	
Citizenship	2	

Mathematical Physics I	3	
Pancasila	2	
Computer programming	2	
Analog Electronics Practicum	1	
Basic Physics Practicum II	1	
Computer Programming Practicum	1	
SEMESTER 3		
Anatomy And Physiology	2	
Fundamentals of Geophysics	3	
Digital Electronics	2	
Science phylosophy	2	
Environmental Physics	2	
Polymer Physics	2	
Physical Geology	2	
Material Select Capita	2	
Mathematical Physics II	3	
Mechanics I	3	
Metrology	2	
Introduction to Electrodynamics	3	
Digital Electronics Practicum	1	
Thermodynamics	3	
SEMESTER 4		
Atomic And Molecular Physics	2	
Energy Physics	2	
Quantum Physics I	3	
Medical Physics	2	
Radiological Physics	2	
Solid Matter Physics	3	
Wave	3	
Laboratory Management	2	
Mathematical Physics III	2	
Mechanics II	3	
Advanced Physics Practicum	1	
Spectroscopy	2	
Materials Thermodynamics	2	
SEMESTER 5		
Applied Acoustics	3	
Semiconductor Physics and Devices	2	
Core Physics	3	
Quantum Physics II	3	
Statistical Physics	3	
Superconducting Physics	2	
Medical Instrumentation	2	
Entrepreneurship	2	
Computing Physics	2	
Material Glass	2	
Fluid Mechanics	2	
Physics Research Methodology I	1	

Practicum of Computational Physics	1	
Nuclear Atomic Physics Practicum	1	
Medical Radiology	2	
Sensors	2	
SEMESTER 6		
Vibration Analysis	3	
Astrophysics	3	
Electrodynamics	3	
Optical Fiber	2	
Acoustic Physics	3	
Computational Physics	2	
Physics Instrumentation	2	
Material Magnetism	3	
Crystallography	2	
Disaster Management	2	
Nanosains Dan Material	2	
Introduction to Radiotherapy and Nuclear Medicine	2	
Digital Signal Processor	3	
Geophysics Survey Method Practicum I	1	
Seismology	3	
Solar Cell	2	
SEMESTER 7		
Economic Physics	2	
Reactor Physics	3	
Artificial intelligence	3	
Geophysical Survey Method II	2	
Geophysical Survey Method	2	
Research Methodology II	1	
Geophysics Survey Method Practicum II	1	
Nuclear Radiation Protection	3	
General Relativity and Cosmology	2	
Physics Simulation and Modeling	2	
Control System	2	
Geophysical Data Processing Techniques	2	
Pedagogic Insight	2	
SEMESTER 8		
Electronics Workshop	2	
Material Fabrication and Characterization	2	
Microcomputers And Interfaces	2	

Bachelor of Chemistry

Courses	Credits	Notes
SEMESTER 1		
Indonesian Language	2	
English	2	
Basic Physics	3	

Basic Chemistry	4	
Laboratory Management	2	
Basic mathematic	3	
Religious education	2	
Civic education	2	
Basic Physics Practicum	1	
Basic Chemistry Practicum	1	
SEMESTER 2		
Basic Biology	2	
Basic Analytical Chemistry	3	
Pancasila	2	
Elementary Differential Press	2	
Basic Analytical Chemistry Practicum	1	
Basic Chemistry Practicum Ii	1	
Structure of Inorganic Compounds	3	
Structure of Organic Compounds	3	
Molecule Visualization	2	
Chemical equilibrium	2	
Chemical environment	2	
SEMESTER 3		
Fundamentals of Organic Reactions	3	
Basics of Spectrophotometric Analysis	3	
Geochemistry	2	
Chemical Bonds and Molecular Structure (b)	3	
Industrial Chemicals	2	
Essential Oil Chemistry	2	
Organic Compound Isolation Practicum	1	
Practical Inorganic Compound Synthesis	1	
Practicum of Thermodynamics and Equilibrium	1	
Chemical Thermodynamics	3	
Basic Inorganic Reactions	3	
Prak. Basics of Spectrophotometric Analysis	1	
Inorganic Polymers	2	
Quality Management System	2	
Environmental Toxicology	2	
SEMESTER 4		
Practical Inorganic Compound Characterization	1	
Practical Kinetics and Molecular Spectroscopy	1	
Practical Organic Compound Synthesis	1	
Biochemical Reactions	2	
Synthesis of Organic Compounds	2	
Biomolecular Structure	2	
SEMESTER 5		
Electrometric Analysis	2	
Electrometry And X-Ray Spectrometry	2	

Elucidation of the Structures of Organic Compounds	3	
Separation Chemistry And Chromatography	2	
Elemental Chemistry	3	
Chemical Kinetics	3	
Prak. Separation Chemistry And Electrometry	1	
Adsorption Chemistry	2	
SEMESTER 6		
Elucidation of Inorganic Compound Structures	2	
Measurement Uncertainty Estimation	2	
Microscopy Characteristics	3	
Chemistry of Natural Materials	2	
Inorganic Material Chemistry	2	
Physical Organic Chemistry	2	
Biochemistry Practicum	1	
Research methodology	2	
SEMESTER 7		
Industrial Waste Analysis	2	
Inorganic Bio	2	
Electrochemistry	2	
Advanced Instruments	2	
Chemical Analysis of Natural Materials	2	
Synthetic Inorganic Chemistry	2	
Green Chemistry	2	
Catalyst Chemistry	2	
Polymer Material Chemistry	2	
Chemical Computing	2	
Chromatography of Organic Compounds	2	
Inorganic Reaction Mechanism	2	
Nanotechnology And Nanomaterials	2	
Membrane Technology	2	
Quality Assurance of Analysis Results	2	
SEMESTER 8		
Carbon Nano Structures	2	
Food Chemistry	2	
Dynamic Chemistry	2	
Renewable Energy Chemistry	2	
Enzyme Chemistry	2	
Kimia Fisika Polimer	2	
Colloid And Surface Chemistry	2	
Organometallic Chemistry	2	

Renewable Polymer And Composite Chemistry	2	
Supramolecular Chemistry	2	
Solid Chemistry	2	
Dyes Chemistry	2	
Silica Material	2	
oleochemicals	2	
Molecular Modeling	2	
Chemical Statistics	2	

Bachelor of Biology

Courses	Credits	Notes
SEMESTER 1		
Indonesian Languange	2	
English	2	
Biodiversity	2	
General Biology	2	
Basic Physics	2	
Environmental Science	2	
Immunology	2	
Basic Chemistry	2	
Basic Mathematic	2	
Civic Education	2	
General Biology Practicum	1	
Basic Chemistry Practicum	1	
SEMESTER 2		
Biochemistry	2	
Cell Biology	2	
Biostatistics	2	
Microbiology	2	
Pancasila	2	
Religious Education	2	
Biochemistry Practicum	1	
Microbiology Practicum	1	
Animal Structure and Development Practicum	1	
Plant Structure and Development Practicum	1	
Plant Structure and Development	3	
Animal Structure and Development	3	
SEMESTER 3		
Molecular Biology	2	
Animal physiology	3	
Plant Physiology	3	
Genetics	3	
Research Methodology	2	
Industrial Microbiology	2	

Molecular Biology Practicum	1	
Animal Physiology Practicum	1	
Plant Physiology Practicum	1	
Genetics Practicum	1	
Laboratory Engineering Practicum	1	
Laboratory Engineering	1	
SEMESTER 4		
Experimental Anatomy	1	
Bacteriology	2	
Bioethics	1	
Bioinformatics	2	
Regeneration Biology	2	
Aquatic Plant Biology	2	
Plant Virus Biology	2	
Bioproduct	2	
Biosystematics	3	
Secondary Metabolite Biotechnology	2	
Economic Botany	2	
Ecology	3	
Endocrinology	2	
Evolution	2	
Postharvest Physiology and Technology	2	
Microbial Physiology	2	
Physiology of Plant Development	2	
Nutrient Science	2	
Cell and Tissue Culture	2	
Food Microbiology	1	
Nanobiotechnology	2	
Neuroscience	2	
Nutrition and Functional Food	2	
Orchidology	2	
Environmental pollution	2	
Experimental Anatomy Practicum	1	
Bioinformatics Practicum	1	
Biosystematics Practicum	1	
Ecology Practicum	1	
Animal Cell and Tissue Culture Practicum	1	
Cell and Plant Tissue Culture Practicum	1	
Food Microbiology Practicum	1	
Cytogenetics	2	
SEMESTER 5		
Metabolomic Analysis	2	
Biobusiness	3	
Biogeography	2	
Vitamin Biochemistry	2	
Mutation Biology	2	
Biomimetics	2	
Biotechnology	2	

Enzyme Biotechnology	2	
Forensic Botany	2	
Terrestrial Ecology	2	
Animal Embryology	1	
Seed Physiology and Technology	2	
Phytohormones	2	
Plant Genetics	2	
Carcinology	2	
Prokaryotic Molecular Diversity	2	
Chemotaxonomy	2	
Environmental Microbiology	2	
Microtechnical	2	
Morphometrics	2	
Ornithology	2	
Bacterial Pathogenesis	2	
Mapping and Biological Sampling Techniques	2	
Introduction to Cancer Biology	2	
Natural Resources and Environment Management	2	
Enzyme Biotechnology Practicum	1	
Animal Embryology Practicum	1	
Microtechnical Practicum	1	
Systematics of Higher Plants Practicum	1	
Primatology	2	
Plant Reproduction	2	
Molecular Systematics	2	
Systematics of Tall Plants	2	
Food Fermentation Technology	2	
Teratology	2	
Environmental Toxicology	2	
SEMESTER 6		
Bioanthropology	2	
Bioenergy	2	
Biology and Fungi Applications	2	
Soil Biology	2	
Waste Treatment Biotechnology	2	
Antimicrobial Compound Biotechnology	2	
Plant Ecophysiology	2	
Animal Ecomorphology	2	
Entomology	2	
Molecular Genetics	2	
Ichthiology	2	
Entrepreneurship	2	
Seminar	2	

Bachelor of Informatics

Courses	Credits	Notes
SEMESTER 1		
Indonesian	2	
English I	2	
Physics	3	
Calculus I	3	
Programming Concept	4	
Religious Education	2	
Digital System	3	
Statistics and Probability	3	
SEMESTER 2		
Linear Algebra	3	
English II	2	
Calculus II	3	
Discrete Mathematics I	3	
Computer System Organization	3	
Civic Education	2	
Data Structures and Algorithms	4	
SEMESTER 3		
Database	4	
Algorithm Design and Analysis	3	
Discrete Mathematics II	2	
Numerical Method	3	
Pancasila	2	
Object Oriented Programming	3	
Operating system	3	
Data Structures and Algorithms II	3	
SEMESTER 4		
Computer Network	4	
Artificial Intelligence	3	
Web Programming	3	
Mobile Application Development	3	
Software Engineering	4	
Language Theory and Automata	3	
SEMESTER 5		
Advanced Database	3	
Data Mining	3	
Human and Computer Interaction	2	
Grid Computing	3	
Cryptography	3	
Vague Logic	3	
Machine Learning	3	
Digital Image Processing	3	
Operations Research	2	
Distributed System	3	
Wireless and Mobile Computing	3	

SEMESTER 6		
Business Intelligence	3	
Cyber Security	3	
Expert System	3	
Software Quality Assurance	3	
Capita Selecta Computer Science	2	
Cloud Computing	3	
Network Management	3	
Research methods	3	
Natural Language Processing	3	
Multimedia Data Security	3	
Decision Support System	3	
Multimedia Engineering	3	
SEMESTER 7		
Computer Vision	3	
E-Commerce	3	
Enterprise Architecture	3	
Professional Ethics	2	
Computational Intelligence	3	
Entrepreneurship	2	
Biomedical Computing	3	
Semantic Web	3	
IoT Technology	3	

Bachelor of Pharmacy

Courses	Credits	Notes
SEMESTER 1		
Human Physiology Anatomy	2	
English	2	
Pharmaceutical Biology	2	
Pharmacy I	2	
Pharmacy Physics I	2	
Citizenship	2	
Basic Chemistry	2	
Basic Mathematic	1	
Religious Education	2	
Human Physiology Anatomy Practicum	1	
Pharmacy Practicum I	1	
Basic Chemistry Practicum	1	
SEMESTER 2		
Biochemistry	2	
Pharmacognosy I	2	
Pharmacy II	2	
Pharmacy Physics II	2	
Analytical Chemistry I	2	
Organic Chemistry I	2	
Pathophysiology	2	
Pancasila	2	

Biochemistry Practicum	1	
Pharmacy Practicum II	1	
Pharmacy Physics Practicum II	1	
Analytical Chemistry Practicum I	1	
SEMESTER 3		
Indonesian	2	
Pharmacognosy II	2	
Pharmacology I	2	
Solid Preparation Technology Formulation	2	
Analytical Chemistry II	2	
Organic Chemistry II	2	
Pharmacognosy Practicum II	1	
Formulation of Solid Preparation Technology Practicum	1	
Analytical Chemistry Practicum II	1	
Organic Chemistry Practicum I	1	
Pharmacy Statistics	1	
Pharmacy Law and Ethics	2	
SEMESTER 4		
Molecular Biology	2	
Pharmacology II	2	
Phytochemicals	2	
Liquid-semi-Solid FTS	2	
Entrepreneurship	2	
Medical Chemistry I	2	
Pharmacy Management	2	
Pharmaceutical Microbiology	2	
Molecular Biology Practicum	1	
Pharmacology Practicum II	1	
Phytochemistry Practicum	1	
Liquid-semi-Solid FTS Practicum	1	
Pharmacy Microbiology Practicum	1	
SEMESTER 5		
Pharmaceutical Analysis	2	
Pharmaceutical Biotechnology	2	
Pharmacokinetics	2	
Pharmacotherapy I	2	
Sterile Preparation Technology Formulation	2	
Immunology	2	
Medicinal Chemistry II	2	
Research Methodology	2	
Pharmacy Analysis Practicum	1	
Pharmacokinetic Practicum	1	
Sterile Preparation Technology Formulation Practicum	1	
Toxicology	2	
Cosmetic Analysis	2	

Biopharmaceuticals	2	
Structure Elucidation	2	
Farm-epid and Farm-econ	2	
Pharmacotherapy II	2	
Pharmacovigilance	2	
Industrial Pharmacy	2	
Cosmetics Preparation Technology Formulation	2	
Communication and Pio	1	
Nutracetical	2	
Biopharmaceutical Practicum	1	
Practicum of Communication and Pio	1	
Standardization of Natural Ingredients	2	
Self-medication	2	
SEMESTER 7		
Clinical Pharmacokinetics	2	
Pharmacotherapy III	2	
Clinical Pharmacy	1	
Phytotherapy	2	
Technology Formulation of Natural Ingredients	2	
Interprofessional Education	1	
Drug Preformulation Study	2	
Food and Drug Microbiology	2	
Parenteral Therapy Services	1	
Analysis Method Development and Validation	2	
Pharmacy Service Practice	2	
Clinical Pharmacy Practicum	1	
Interprofessional Education Practicum	1	
Parenteral Therapy Service Practicum	1	
Drug Delivery System	2	

Bachelor of Statistics

Courses	Credits	Notes
SEMESTER 1		
Algorithm And Programming	3	
Database	3	
General Biology	2	
Basic Environmental Science	2	
Calculus I	3	
Religious Education	2	
Basic Statistics	3	
SEMESTER 2		
Linear Algebra	3	
Indonesian Languange	2	
Data Exploration and Visualization	3	
Calculus II	3	

Statistical Computing	3	
Statistical Method	3	
SEMESTER 3		
Regression Analysis	3	
Multiple Variable Calculus	3	
Numerical Method	2	
Forecasting Method	2	
Sampling and Survey Method	3	
Pancasila	2	
Introduction to Microeconomics	2	
Probability	3	
Linear Program	2	
Environmental Information System	2	
Government Statistics	3	
SEMESTER 4		
Multivariate Analysis	3	
Professional ethics	1	
Insurance Math	3	
Introduction to Macroeconomics	2	
Introduction to Stochastic Process	3	
Experimental Design	3	
Robust Regression	2	
Operations Research	3	
Management Information System	3	
Mathematical Statistics I	3	
Nonparametric Statistics	3	
SEMESTER 5		
Decision Analysis	3	
Survival Analysis	3	
Bayesian Inference	3	
Entrepreneurship	2	
Research Methods	2	
Response Surface Method	3	
Inventory Model	2	
Quality Control	3	
Statistical Quality Control	3	
Mathematical Statistics II	2	
Categorical Data Analysis	3	
SEMESTER 6		
Time Series Analysis	3	
Econometry	3	
Research Methodology II	2	
Applied Multivariate	3	
Spatial Statistical Modeling	3	
Introduction to Data Mining	3	
Marketing Research	3	
SEMESTER 7		
Artificial Neural Network	3	

Marketing Management	2	

Bachelor of Environmental Sciences

Courses	Credits	Notes
SEMESTER 1		
Indonesia Language	2	
English	2	
Environmental Biology	2	
Environmental Physics	2	
Basic Environmental Science	3	Theory
Environmental Informatics	2	
Civil	2	
Environment Chemistry	2	
Basic Environmental Science	1	Practice
Environmental Statistics	2	
SEMESTER 2		
Fundamentals of Natural Resource Management	2	
General Ecology	2	Theory
Environmental Law	2	
Environmental Impact Study	2	
Enterpreneurship	2	
Islam Education	2	
Pancasila	2	
General Ecology	1	Practice
Environmental Laboratiory Engineering	1	Practice
Environmental Management System	2	
Environmental Sociology	2	
SEMESTER 3		
Religion and Environment	2	
Environmental Supporting and Carrying Capacity	2	
Natural Resource Economics	2	
Environmental Etnography	2	
Environmental Geomorphology	2	
Environmental Safety and Health	2	
Research Methodology	3	
Hazardous Waste Management	2	
Environmental Information System Practicum	1	
Net Production	2	
Environmental Engineering	2	
Environmental Information System	2	
SEMESTER 4		
Bioteknologi Lingkungan	2	
Wetland Ecology	2	
Hydrology	2	
Strategic Environmental Assessment	2	

Climate Change Study	2	
Energy Conversion And Conservation	2	
Disaster Management	2	
Big Data Management	2	
Environmental pollution	2	
Management of Freshwater Resources	2	
Remote Sensing	2	
Environmental Biotechnology Practicum	1	
Environmental Pollution Practicum	1	
SEMESTER 5		
Urban Biodiversity	3	
Biogeography	3	
ecotourism	3	
Environmental Communication	2	
Limnology	3	
Karst environment	3	
Mangrove Environment	3	
Management of Invasive Foreign Species	2	
Liquid Waste Management	2	
Sustainable Development Planning	2	
Urban Environmental Problems	2	
SEMESTER 6		
Agroforestry	3	
Riparian biodiversity	3	
Fundamentals of Environmental Auditing	3	
River Health Evaluation	3	
Phenology	3	
Environmental Services	3	
Air Quality Management	3	
Introduction to Compilation of Environmental Instruments	3	
Environmental Case Study	3	
Conservation Area Study	3	

Bachelor of Science Education

Courses	Credits	Notes
SEMESTER 1		
Indonesian Language	2	
English	2	
Basic Biology	2	
Basic Physics	2	
Science Education	2	
Basic Chemistry	2	
Science Object	2	
Pancasila Education	2	
Science Observation and Measurement	3	
Student Development	2	

SEMESTER 2		
Counseling guidance	2	
Basic Statistics	3	
Fluid Dynamics	3	
Ecosystem	3	
Physical Chemistry of the Organization of Life	3	
Scientific Method	3	
Religious education	2	
Inclusive Education	2	
Civic education	2	
SEMESTER 3		
English for Science	2	
Biomechanics	2	
Science Learning Evaluation	2	
Environmental Science	2	
Science Instrumentation	3	
Phase Balance	3	
Science Learning Strategy	2	
Curriculum Review	2	
Thermoregulation	3	
Energy Transformation	3	
SEMESTER 4		
Energy in Life	2	
Geosciences	3	
Earthquake and Disaster Mitigation	2	
Science Learning Media	3	
Food Metabolismc	3	
Particles and Atomic Reactions	3	
Digital Classroom Management	2	
Science Laboratory Management	2	
Learning Planning	2	
Redox And Electrochemistry	2	
SEMESTER 5		
Biotechnology	2	
Earth And Space	3	
Research methodology	3	
Science Learning Modeling	3	
Stimulus And Sensory Response	3	
Thermodynamics	3	
SEMESTER 6		
Ethnoscience	2	
Magnetic Induction	3	
Interaction and environment	2	
Energy Benefits	3	
Environmental Safety	2	
Entrepreneurship	2	
Food Chemistry	2	

Microteaching	2	
Molekuler Biologi	2	
Science Learning Modeling	2	
Science Teacher Professional Development	2	
Science Learning Technology	3	
SEMESTER 7		
Evolution	2	
Genetics	2	
Magnetic Electricity	2	
Science Literacy	2	
Science Learning Management	2	
Innovative Learning	2	
Science Learning Performance Assessment	2	

Bachelor of Nursing (BELUM ADA)

Bachelor of Education Technology (BELUM ADA)

Bachelor of Mandarin Language and Chinese Culture (BELUM ADA)

Bachelor of Digital Bussiness

Courses	Credits	Notes
SEMESTER 1		
Indonesian Language		
Introductory Microeconomics		
Introductory Macroeconomics		
Business Mathematics and Statistics		
Introductory Accounting		
Digital Business		
Introduction Management		
SEMESTER 2		
Religious education		
English Language		
Data communication network		
Marketing Principles		
Banking Basics		
Basic Informatics and Computers		
SEMESTER 3		
Personal Financial Planning		
System Analysis and Design		
Syariah banking		
Digital Ethics		
Digital banking and Fintech		
Social Media and Visualization		
Introduction to Business Law		

B. MASTER PROGRAM

Magister of Notary

Courses	Credits	Notes
SEMESTER 1		
The basic principles of making a deed	2	
Guarantee law	2	
Agreement law	2	
Islamic Trasaction and Finance Law	2	
Legal Writing and Research Methods	2	
Notary Position Regulations	2	
Politics of Law	2	
Legal Theory	2	
SEMESTER 2		
Agrarian Law And Land Registration	2	
Marital Property Law and Customary Inheritance	1	
Bw. Marriage and Inheritance Law	2	
Islamic Marriage and Inheritance Law	2	
International Trade Contract Law	1	
Company Law	2	
Land Deed Technique	2	
General Deed Making Technique 1	2	
SEMESTER 3		
Notary Professional Ethics	2	
Tax Law	2	
Banking Law	1	
Auction Rules	2	
Technique of Making Business Entity Deed	2	
Technique of Making A Marriage Property Deed	2	
Sharia Deed Making Technique	1	
General Deed Making Technique 2	2	

Magister of Sports

Courses	Credits	Notes
SEMESTER 1		
Sports Anatomy	2	
Learn Movement	3	
Sports Philosophy	2	
Sports Physiology 1	2	
Sport Method 1	2	

Research Methodology	3	
Sports Pedagogy	2	
Statistics	2	
SEMESTER 2		
Sports Biomechanics	2	
Sports Injury	2	
Sports Evaluation	2	
Advanced Exercise Physiology	2	
Sports Nutrition	2	
Sports Method 2	2	
Motion Development	2	
Sports Psychology	2	
Thesis Proposal Seminar	2	

Magister of Linguistics

Courses	Credits	Notes
SEMESTER 1		
Academic English	2	
Morphological Phonology	2	
Qualitative Research Methods	2	
Language Editing	2	
Pragmatics	2	
Practice of Translating Non-Fiction Texts	2	
Semantics	2	
Syntactic	2	
Sociolinguistics	2	
Basic Translation Theory	2	
SEMESTER 2		
Discourse Analysis	2	
Critical Reading on Translation	2	
Dialectology	2	
Ethnolinguistics	2	
Functional Systemic Linguistics	2	
Advanced Functional Systemic Linguistics	2	
Linguistic Research Methods	2	
Translation Research Method	2	
Fiction Translation	2	
Spoken Translation	2	
Audio, Visual and Digital Translation Practice	2	
Psycholinguistics	2	
Stylistic	2	
Advanced Translation Theory	2	

Typology And Universality of Language	2	

Magister of Economics and Development

Courses	Credits	Notes
SEMESTER 1		
Econometrics	3	
Media Macroeconomics	3	
Media Microeconomics	3	
Economic development	3	
Research Methods & Scientific Writing	3	
SEMESTER 2		
Qualitative Analysis	3	
Local And Spatial Economics	3	
Political Economy of Regional Planning and Budgeting	3	
Natural Resources & Environmental Economics	3	
Micro, Small and Medium Industries	3	
Monetary Policy in Development	3	
Social Capital, Institutional & Informal Sector	3	
Development Planning (national & regional)	3	

Magister of Environmental Sciences

Courses	Credits	Notes
SEMESTER 1		
Environmental Economics	3	
Hydrometeorology and Environmental Climatology	3	
Environmental Law	2	
Environmental Science and Ethics	3	
Management Of Natural Resources and The Environment	3	
Statistics And Environmental Research Methodology	3	
SEMESTER 2		
EIA And Environmental Audit	3	
Freshwater Ecosystem	2	
Experimentation and Environmental Engineering	3	
Environmental Health	2	
Waste Management	3	
Watershed Management	2	

Global Environmental Change and International Cooperation	3	
Environmental Information System	3	
Environmental Sociology	2	

Magister of Communication Sciences

Courses	Credits	Notes
SEMESTER 1		
Philosophy and Ethics of Communication	3	
Communication and Social Change Theory	3	
Organizational Communication	3	
Public Relations Management	3	
Qualitative Communication Research Methods	3	
Perspective and Communication Theory	3	
Media Theory	3	
SEMESTER 2		
Political Communication	3	
Socio-Cultural Communication	3	
Marketing Communication Management	3	
Digital Media and Society	3	
Quantitative Communication Research Methods	3	
Communication Planning and Policy	3	
Digital Communication Strategy	3	

Magister of Public Administration

Courses	Credits	Notes
SEMESTER 1		
Public Policy Analyst	3	
Ethics and Behavior of Public Administration	3	
Public Sector Human Resource Management	3	
Public Organization and Management	3	
Theory, Issues, and Practice of Public Administration	3	
SEMESTER 2		
Political Economy	3	
Implementation and Evaluation of Policies	3	
Public Policy Issues and Formulation	3	
Decentralization Issues and Policies	3	
Administrative Research Method	3	

Public Administration Reform	3	

Magister of Law

Courses	Credits	Notes
SEMESTER 1		
Biotic And Health Law	2	
Business Ethics	2	
Philosophy Of Law	2	
Administrative Procedural Law	2	
Law And Human Rights	2	
Law And Regional Autonomy	2	
Constitutional Law and Theory	2	
Public Health Law	2	
Contract Law and Its Development	2	
Health Care Law	2	
Medical Record Law and Informed Consent	2	
Legal Research and Writing Methods	2	
The Role of Law in Economic Development	2	
Politics Of Law	2	
Criminal Politics	2	
Legal Sociology	2	
Criminal Sociology	2	
Dispute Resolution Techniques	2	
Legal Theory	2	
SEMESTER 2		
Health Professional Ethics	2	
Administrative Law and Decentralization	2	
Health Insurance Law and Social Protection	2	
International Commercial Law	2	
Law And Public Policy	2	
Law And State Financial Management	2	
Law And Electronic Transactions	2	
Midwifery and Health Law	2	
Intellectual Property Law	2	
Environmental Health Law	2	
Corporate Law	2	
Environmental Law	2	
Drug and Food Law	2	
Capital Market Law	2	
Governmental and Legislative Law	2	
Law on Prevention and Eradication of Infectious Diseases	2	
The Law of Banking	2	

Licensing Law	2	
Law for the Protection of Crime Victims	2	
Prophetic Law	2	
Capita Selecta Business Law	2	
Hospital Management and Law	2	
Law Enforcement and Medical Dispute Resolution	2	
Correctional Penologist	2	
Criminal Justice System	2	
Criminal Acts in the Field of Intellectual Property Rights	2	
Information Crime and Electronic Transactions	2	
Employment and Immigration Crimes	2	
Corruption and Money Laundering	2	
Environmental and Forestry Crimes	2	
Banking Crime	2	
Tax Crime	2	

Magister of Management

Courses	Credits	Notes
SEMESTER 1		
Strategic Financial Management	3	
Strategic Marketing Management	3	
Strategic Human Resource Management	3	
Business Research Methods	3	
SEMESTER 2		
Strategic Operational Management	3	
Organization and Management Theory	3	
Proposal Seminar	2	
Thesis Proposal Seminar	2	
Advanced Management Control System	3	
SEMESTER 3		
Financial Information Analysis	3	
Consumer Behavior Analysis	3	
Leadership	3	
International Financial Management	3	
Organization Change and Development	3	
Global Marketing	3	

Magister of Economics Education

Courses	Credits	Notes
SEMESTER 1		
Economic Learning Analysis	3	
Macro Economics	3	
Economic Learning Evaluation	2	
The Philosophy of Science	2	
Philosophy of Economics	2	
Entrepreneurial Innovation	3	
Research Methodology	3	
Economic Learning Design and Analysis	3	
Statistics and Multivariate Analysis	3	
Data Analysis Technique	3	
Microeconomic Theory and Application	3	
SEMESTER 2		
Public Administration	2	
Financial Accounting	2	
MSME Accounting	2	
Macro Economics	3	
Sharia Economics	2	
Administrative Management	2	
Financial Management	2	
Marketing Management	2	
Electronic Marketing	2	
Organizational Behavior	2	
Economics Education Seminar	2	
Capita Selecta Economic Education	2	
Entrepreneurship Education	3	

Magister of Nutrition Science

Courses	Credits	Notes
SEMESTER 1		
Biostatistics	2	
Nutritional Epidemiology	2	
Physiology and Metabolism of Advanced Nutrients	2	
Food Service	2	
Life Cycle Nutrition	2	
Nutritional Immunopathology	2	
Nutrition Research Methods	3	
Nutritional Status Assessment	2	
SEMESTER 2		
Work Nutrition and Sports Nutrition	2	

Molecular Nutrition and Genetics	2	
Good Clinical Laboratory Practice	2	
Good Health Research Practice	2	
Clinical Nutrition Intervention and Therapy	3	
Neutraceutical and Animal Testing	2	
Nutrition Education and Promotion	2	
Disease and Nutrition Intervention	2	
Nutrition Policy Planning and Evaluation	3	
Clinical Nutrition Practicum	3	
Community Nutrition Practicum	3	Practice

Magister of Accounting

Courses	Credits	Notes
SEMESTER 1		
Financial Accounting and Reporting	3	
Management Accounting	3	
Auditing	3	
Financial Management	3	
SEMESTER 2		
Accounting and Business Research Methodology	3	
Management Control System	3	
Statistics for Quantitative Data Processing	3	
Accounting Theory	3	
SEMESTER 3		
Behavioral Accounting	3	
Public Sector Accounting	3	
Sharia Accounting	3	
Financial Statement Analysis	3	
State Financial Audit	3	
Business Ethics and the Accounting Profession	3	
Governance and State Financial Management System	3	
Strategic Management	3	
Tax Audits	3	
Portfolio Theory and Investment Analysis	3	

Magister of Sociology

Courses	Credits	Notes
SEMESTER 1		

Qualitative Research Methods	3	
Quantitative Research Methods	3	
Social Change and Development	3	
Indonesian Socio-Cultural System	3	
Economic Sociology	3	
Contemporary Sociological Theory	3	
SEMESTER 2		
Industrial Relations	3	
Macroeconomic Empowerment	3	
Sociology of Law	3	
Sociology of Culture	3	
Sociology of Education	3	
Synthetic and Postmodern Theory	3	

Magister of Physics

Courses	Credits	Notes
SEMESTER 1		
Electrodynamics I	3	
Classical Physics I	3	
Quantum Physics	3	
Mathematical Physics	3	
Material Physics	3	
Statistical Physics I	3	
SEMESTER 2		
Electrodynamics II	3	
Classical Physics II	3	
Quantum Mechanics	3	
Research Methodology	3	

Magister of Agribussiness

Courses	Credits	Notes
SEMESTER 1		
Agribusiness Investment Analysis	3	
Macro Economics	3	
Microeconomics	3	
Business Management	3	
Agribusiness Strategic Management	3	
Agribusiness Research Methods	3	
SEMESTER 2		
Econometrics	3	
Agricultural Resource Economy	3	
Agricultural Policy	3	

Agribusiness Marketing Management	3	
Quantitative Methods for Management	3	
Agricultural Development	3	
Management Engineering	3	
Agribusiness Marketing Research	3	

Magister of Mechanical Engineering

Courses	Credits	Notes
SEMESTER 1		
Analysis of Failure	3	
Technical Analysis	3	
Technical Analysis I	3	
Technical Analysis II	3	
Renewable Energi	3	
Composite Material	3	
Materials Engineering	3	
Research Methodology	3	
Metal Welding Technique	3	
SEMESTER 2		
Heat Exchangers and Chemical Processes	3	
Analysis of Energy	3	
Biofuels and Alternative Fuels	3	
Applied Cfd	3	
Energy Conversion Experiment Design	3	
Solar Energy and Applications	3	
Advanced Solar Energy and Applications	3	
Capita Selecta Energy Conversion	3	
Material Characteristics	3	
Photovoltaic-Based Energy Conversion	3	
Material Polimer	3	
Material Strength Mechanics	3	
Physical Metallurgy	3	
Micro/Mini Hydro and Applications	3	
Material Strength Simulation	3	
Cooling Technique	3	
Nano Fluid Technology	3	
Manufacturing Technology and Materials Engineering	3	
Welding Technology	3	
SEMESTER 3		
Wind Energy and Applications	3	
Internal Combustion Engine	3	

Magister of Agronomy

Courses	Credits	Notes
SEMESTER 1		
Plant Ecophysiology	2	
Philosophy of Science and Research Methods	3	
Environmental Stress Physiology	2	
Biodiversity	2	
Research Methods for Pests and Diseases	2	
Plant Nutrition	2	
Plant Breeding	2	
Management of Plant Pest Organisms	2	
Seminar	1	
Cultivation System	2	
Seed Technology	2	
SEMESTER 2		
Biology and Weed Management	2	
Agricultural Biotechnology	3	
Plant Disease Physiology	2	
Hydroponics, Aeroponics and Verticulture	2	
Tropical Plant Horticulture	2	
Tropical Plant Horticulture	2	
Plant Tissue Isolation Method	2	
Mutation Plant Breeding	2	
Secondary Metabolite Engineering	2	
Proposal Seminar	1	

Magister of Development Counseling

Courses	Credits	Notes
SEMESTER 1		
The Basics of Development Counseling / Community Empowerment	3	
CSR Concept and Philosophy	3	
MSME Development Concepts and Policies	3	
Formal and Non-Formal Eduaction Concepts and Policies	3	
Strategic Management	3	
Community Development	3	
Social Organization Structure	3	
Theory of Development	3	
SEMESTER 2		
Research Data Analysis	3	
Gender and Development	3	

Training Institution	3	
Csr Audit Planning and Evaluation	3	
Planning and Evaluation of Outreach / Community Empowerment	3	
Planning and Evaluation of Outreach Programs/Community Empowerment	3	

Magister of Cultural Studies

Courses	Credits	Notes
SEMESTER 1		
Art Study	3	
Cultural Studies Research Methodology	4	
Cultural Sociology	3	
Anthropological Theory	3	
Cultural Theory	3	
Tourism Theory	3	
SEMESTER 2		
Indonesian for Scientific Writing	2	
Popular Culture	3	
Gender Studies	3	
Tourism Study	3	
Study of Socio-Cultural Change	3	
Literary Studies	3	
Semiotics	3	

Magister of Education Technology

Courses	Credits	Notes
SEMESTER 1		
Learning System Design	2	
Learning Diffusion and Innovation	2	
Science Phylosophy	2	
Study And Evaluation of Curriculum	2	
Educational Technology Foundation	2	
Educational Research Methodology	2	
Systems Approach	2	
Learning Media Development	2	
Statistics	2	
SEMESTER 2		
Graphic Design for Learning	2	
Study and Learning Evaluation	2	
School Management and Leadership	2	

Teaching Materials Development	2	
Mobile-Based Self-Learning Development	2	
E-Learning Development	2	
Development of Education and Training	2	
Digital Learning Media Production	2	
Seminars and Proposal Exams	2	
Educational Information and Communication Technology	2	
Performance Technology	2	
Learning Theory and Model	2	

Magister of Sciences Education

Courses	Credits	Notes
SEMESTER 1		
Philosophy and Scientific Development	2	
Advanced Natural Science	3	
Integrated Science Practicum	3	
Science Learning Problems	3	
Integrated Science	3	
Statistics and Research Methodology of Science Education	3	
Technology and Learning Media	3	
SEMESTER 2		
Capita Selecta Science Education	3	
Science Laboratory Management	2	
Natural Resource and Environmental Management	3	
Space Earth Knowledge	3	
Science Technology	3	
SEMESTER 3		
Thesis 1 (Seminar And Proposal Exam)	2	

Magister of Indonesian Languange Education

Courses	Credits	Notes
SEMESTER 1		
Science Phylosophy	2	
Cultural Studies	2	
Literary Studies	2	
Curriculum and Development of Language and Literature Teaching Materials	2	

Curriculum and Development of Teaching Materials	2	
Qualitative Research Methodology	2	
Qualitative Research Methodology for Indonesian Language and Literature Education	2	
Quantitative Research Methods	2	
Indonesian Literature and Education Quantitative Research Methodology	2	
Inter-Multidisciplinary Linguistic Studies	2	
Inter-Multidisciplinary Literary Studies	2	
Strengthening Literacy of Local Wisdom	2	
Statistics	2	
Educational Research Statistics	2	
Linguistic Theory	2	
SEMESTER 2		
Discourse Analysis	2	
Language Teaching Evaluation	2	
Study of Prose, Poetry, And Drama	2	
Expressive Skills of Indonesian Language and Literature	2	
Teaching Indonesian Language and Literature	2	
Bipa Teaching	2	
Thesis Proposal Preparation	2	
Psycholinguistics	2	
Semantics	2	
Sociopragmatics	2	

Magister of Math Education

Courses	Credits	Notes
SEMESTER 1		
Linear Algebra	2	
Science Phylosophy	2	
Capita Selecta School Mathematics	2	
Educational Research Methodology	3	
Mathematics Education Problems	2	
Data Analysis Technique	3	
Multivariate Analysis	2	
Real Analysis	3	
SEMESTER 2		
The Foundation of Education	2	
Math Learning	3	
Math Learning Assessment	2	

Discrete Mathematics	2	
Math Statistics	2	
Algebraic Structure	2	

Magister of Historical Education

Courses	Credits	Notes
SEMESTER 1		
History Learning Design and Model	2	
Science Phylosophy	2	
Media, Information and Communication Technology In History Learning	2	
Qualitative Research Methods	2	
Quantitative Research Methods	2	
Multiculturalism and Value Education in History Learning	2	
Socio-Economic History	2	
Statistics	2	
Strategy and Development of History Learning Materials	2	
SEMESTER 2		
Evaluation of History Learning	2	
Contemporary Issues of Indonesia and the World	2	
Philosophical Foundation of History Learning	2	
Social Science Education	2	
History Curriculum Development	2	
Local History in History Learning	2	
Proposal Seminar and Proposal Exam	2	
Social Theory in Historical Research	2	

Magister of English Education

Courses	Credits	Notes
SEMESTER 1		
Academic Listening and Speaking	2	
Academic Writing and Reading	2	
Critical Discourse Analysis In Language Education	2	
Digital Literacies and Language Education	2	
Qualitative Research Methodology in English Language Education	2	

Quantitative Research Methodology in English Language Education	2	
Second Language Acquisition and English Education	2	
Systemic Functional Linguistics in Language Education	2	
Language Curriculum and Materials Development	2	
SEMESTER 2		
Language Policy and Planning: Critical Perspectives	2	
Language Teacher Professional Development	2	
Language Testing and Assessment	2	
Methodology in Tesol	2	
Quantitative and Qualitative Data Collection and Analysis	2	
Writing for Scholarly Publication	2	

Magister of Biosciences

Courses	Credits	Notes
SEMESTER 1		
Biodiversity	2	
Molecular Biology	2	
Reproductive Biology	3	
Biosystematics	2	
Biotechnology	3	
Research Methodology and Scientific Publications	3	
Biodiversity Practicum	1	
Molecular Biology Practicum	1	
Biosystematics Practicum	1	
SEMESTER 2		
Natural Biochemistry	3	
Biocontrol	3	
Industrial Biology	3	
Ecophysiology	3	
Molecular Genetics	2	
In Vitro Culture	2	
In Vitro Culture Practicum	1	
Applied Virology	3	

Magister of Civil Engineering

Courses	Credits	Notes
SEMESTER 1		
Civil Engineering System Analysis and Design	3	
Advanced Structural Analysis	3	
Advanced Structural Dynamics	3	
Transportation Economy	3	
Applied Hydrology	3	
Building Rehabilitation and Maintenance Policy	3	
Transportation Infrastructure Management	3	
Numerical Mathematics and Statistics	3	
Advanced Material Mechanics	3	
Advanced Soil Mechanics	3	
Land Investigation	3	
Transportation Planning and Modeling	3	
Probability And Reliability of the Structure	3	
Advanced Traffic Engineering	3	
Advanced Foundation Engineering	3	
Water Building Operation and Maintenance System	3	
Rehabilitation And Maintenance of Roads and Bridges	3	
Statistics and Probabilistic	3	
Integrated Water Resources	3	
SEMESTER 2		
Research Methods	3	
Groundwater Flow	3	
Geotechnical Aspects in The Rehabilitation And Maintenance of Buildings	3	
Dam	3	
Environmental Impact and Transportation Safety	3	
Material Durability	3	
Geosynthetics	3	
Sediment Transport Hydraulics	3	
Rock Mechanics	3	
Experimental Method in Structure	3	
Finite Element Method	3	
Advanced Transportation Modeling	3	
Asset Management Introduction	3	
Advanced Pavement Design	3	
Soil Improvement	3	

Planning And Operation of Public Transport	3	
Structural Modeling and Analysis	3	
Service Life Modeling	3	
Principles of Behavior of Concrete Structures	3	
Irrigation Engineering and Waterworks	3	
Seismic Engineering	3	
River and Infrastructure Engineering	3	
Goods Transportation	3	
SEMESTER 3		
Soil Dynamics	3	
Geotechnical Computing	3	
Advanced Water Resource Modeling	3	
Decision Making System	3	
Smart Transport System	3	
Water Structure Evaluation and Rehabilitation Techniques	3	

Magister of Geography Education

Courses	Credits	Notes
SEMESTER 1		
Remote Sensing and Sig	2	
Regional Planning Application	2	
Applied Ecology	2	
Geography Philosophy	2	
Population Geography	2	
Applied Social Geography	2	
Applied Hydroclimatology	2	
Research methods	2	
Applied Statistics	2	
SEMESTER 2		
Geography Learning Design	2	
Environmental Evaluation	2	
Applied Geomorphology	2	
Job training	2	
Geography Learning Models and Media	2	
Disaster Education	2	
Natural resource management	2	
Research Proposal Seminar	2	

Magister of Public Health

Courses	Credits	Notes
SEMESTER 1		
Basics of Biostatistics	2	

The Basics of Public Health	1	
Basics of Health Promotion, Behavior and Sociology	2	
Ethics of Research and Scientific Publications	1	
Environmental Health and Occupational Health	1	
Qualitative Research Methods	1	
Essential Health Services for Maternal and Child Health	1	
Introduction to Health Economics	1	
Basic Principles and Concepts of Health Care Policy and Management	2	
Principles and Methods of Epidemiology	2	
SEMESTER 2		
Health Policy and Health System Analysis	1	
Linear Regression Analysis and Logistic Regression	1	
Anthropology of Health and Disease	1	
Clinical Aspects and Health Emergencies of Pregnant Women, Maternity, Postpartum and Neonates	1	
Nutritional Intake of Pregnant Women, Nursing Mothers and Children	1	
Cox Proportional Hazard Model / Survival Analysis and Multilevel Analysis	1	
Social Determinants and Health Equity	1	
Social Determinants of Maternal and Child Health Equity	1	
Health Care Economy	1	
Disaster Epidemiology	1	
Epidemiology of Cancer and Chronic Disease	1	
Environmental Epidemiology	1	
Molecular Epidemiology and Genetic Epidemiology	1	
Epidemiology of Nutrition and Aging	1	
Epidemiology of Infectious Diseases	1	
Social Epidemiology and Lifelong Epidemiology	1	
Evidence-Based Practice	1	
Evidence Based Practice for Maternal and Child Health Services	1	
Family Planning Policy and Program Planning	1	
Policy, Legislation and Advocacy on Maternal and Child Health Issues	1	

Health Promotion Program Policies, Legislation, and Advocacy	1	
Physical Fitness and Sports	1	
Adolescent Health, Health of Children with Special Needs/Disability in Crisis	1	
Reproductive Health, Maternal and Child Health: A Lifelong Perspective and Its Implications	2	
Financial Management	1	
Health Service Quality Management	1	
Operational Management of Health Services	1	
Human Resource Management, Organizational Behavior and Community Relations	1	
Health Promotion Media Design	1	
Meta Analysis (Systemic Review)	1	
Negotiation, Communication, Advocacy, Legislation and Health Law	1	
Balanced Nutrition for Improved Health	1	
Health Social Marketing	1	
Health Insurance and Financing	1	
Writing and Publishing Articles in Accredited National Journals and International Journals	2	
Infectious Diseases, Immunization and Child Survival	1	
Hospital Planning and Administration	1	
Health Program Planning and Evaluation	1	
Planning and Evaluating Health Promotion Programs	2	
Planning and Evaluation of Maternal and Child Health Promotion Programs	1	
Health Information System	1	
Sociology of Health, Disease and Biomedicine	1	
Nutritional Status of Mothers and Children: Assessment, Early Detection and Problem Solving	1	
Theory of Health Promotion at the Individual, Group and Community Level	2	
SEMESTER 3		
Field Practice	3	

Magister of Fine Arts

Courses	Credits	Notes
SEMESTER 1		
Anthropology and Sociology of Art	2	
Physiological Anthropology	2	
Sustainable Design	2	
Graphic Design and Interactive Media	2	
Creative Exploration	3	
Advanced Art Philosophy	2	
Current Issue	2	
Advanced Creation Method	3	
Research Methodology	3	
Scientific Writing	2	
Design Precedent	2	
Applied Statistics	3	
SEMESTER 2		
Participatory Design	2	
Applied Ergonomics	2	
Archipelago Aesthetics	2	
Art And Design Ethics	2	
Ethno-Iconography	2	
Film, Animation, Visual Effects	2	
Art Historiography and Design	2	
Game Development	2	
Psychology of Perception	2	
Experimental Art	2	

Magister of Javanese Languange Education

Courses	Credits	Notes
SEMESTER 1		
Science Phylosophy	2	
Javanese Cultural Studies	2	
Curriculum and Development of Javanese Language Teaching Materials	3	
Javanese Language Learning Method	2	
Qualitative Research Methodology	2	
Quantitative Research Methodology	2	
Javanese Grammar	2	
Literature Theory	2	
SEMESTER 2		
Evaluation of Javanese Language Teaching	2	
Javanese Prose and Poetry Study	2	

Read and Write Javanese Letters	2	
Sociolinguistics and Pragmatics of The Javanese Language	2	
Statistics	2	
Javanese Song	3	
Review of Scientific Journal Articles	3	

Magister of Chemistry

Courses	Credits	Notes
SEMESTER 1		
Capita Selecta Chemistry	4	
Material Characterization	3	
Research Methodology and Publication	3	
Data Analysis Techniques	3	
Chemical Separation Technique	3	
Bioorganic	2	
SEMESTER 2		
Renewable Fuel	2	
Inorganic and Organometallic Polymers	2	
SEMESTER 1,2,3		
Solid Electrochemistry	2	
Industrial Catalyst	2	
Water Chemistry	2	
Complex Chemistry	2	
Composite Chemistry and Polymer Testing	2	
Environmental Parameter Measurement Method and Sampling Technique	2	
Nanomaterial	2	
Macromolecular Synthesis	2	
Sustainable Chemistry	2	
Analytical Instrumental Techniques	2	

Magister of Primary Teacher Education

Courses	Credits	Notes
SEMESTER 1		
Primary School Learning Evaluation	2	
Science Philosophy	2	
Research Methodology	3	
Primary School Curriculum Development and Learning	2	
Thematic Learning Development	3	
Learning Problems in Primary School	2	
Education Statistics	2	

SEMESTER 2		
Primary School Management and Leadership	2	
Critical and Creative Thinking Skills Development	2	
Indonesian Language Learning Development in Primary School	2	
Science Learning Development in Primary School	2	
Social and Civic Education Learning Development in Primary School	2	
Mathematics Learning Development in Primary School	2	
SEMESTER 3		
Studying and Writing Scientific Articles for International Journals	2	
Study of Education Policy and Primary School Curriculum in Various Countries	2	

Magister of Special Education

Courses	Credits	Notes
SEMESTER 1		
Science Philosophy	2	
Educational Sciences and Inclusive Education	2	
Learning Study for Gifted Children	2	
Learning Studies for Children with Learning and Behavioural Barriers	2	
Learning Studies for Children with Sensory And Physical Problems	2	
Psychology Studies and Social Studies for Children with Special Needs	2	
Introduction to Education for Children with Special Needs	4	
SEMESTER 2		
Assessment and Intervention of Children with Special Needs	2	
Policy Review and Implementation of Inclusive School Education Management	2	
Special Education Management and Special Services	2	
Research Methodology in Special Education	2	
Curriculum Development and Learning for Children with Special Needs	2	
Education Statistics	2	
Case Study of Inclusive School Education Management	2	

Magister of Art Education

Courses	Credits	Notes
SEMESTER 1		
Philosophy of Art	2	
Art Critic	2	
Art Education Curriculum	2	
Art Education Research Methodology	3	
Learning Media	2	
Art Psychology	2	
Socio-anthropology of Art	2	
Art Education Technology	2	
SEMESTER 2		
Art Learning Evaluation	2	
Cultural Arts Study	2	
Art Education Management	2	
Micro Teaching	2	
Art Education Paradigm	2	
Art Learning	2	
Scientific Article Writing	2	
Semiotics	2	
Art Theories	2	

Magister of Industrial Engineering

Courses	Credits	Notes
SEMESTER 1		
Multivariate Analysis	3	
Philosophy of Engineering and Industrial Management	3	
Optimization Method	3	
System Modelling	3	
SEMESTER 2		
Research Methodology	3	
Programming and Computing	3	
Human Factors Engineering and Ergonomics	3	
Logistics System and Business Engineering	3	
Manufacturing Systems and Operations Management	3	
SEMESTER 3		
Industrial Ergonomics Application	3	
Human-centered Design	3	
Business Performance and Strategy	3	
Product Creativity and Innovation	3	
Service Quality	3	
Innovation Management and Entrepreneurship	3	
Quality Management	3	

Sustainable Project Management	3	
Sustainable Supply Chain Management	3	
Smart Manufacturing	3	
Production Scheduling	3	
E-business design	3	
Working Method Design	3	
Supply Chain System Design	3	
Inventory Theory	3	

Magister of Chemical Engineering

Courses	Credits	Notes
SEMESTER 1		
Energy Audit	2	
Advanced Displacement Phenomenon	3	
Conservation of Mass and Energy	2	
Energy Convertion	3	
Research Methodology	3	
Advanced Chemical Reaction Engineering	3	
SEMESTER 2		
Energy System	2	
Battery Technology	2	
Fermentation Technology	2	
Hydrogen and Fuel Cell Technology	2	
Advanced Chemical Engineering Thermodynamics	2	
SEMESTER 3		
Polymer Technology	2	

Magister of Physics Education

Courses	Credits	Notes
SEMESTER 1		
Electrodynamics	3	
Educational Evaluation and Supervision	3	
Philosophy of Developmental Physics	2	
Classical Physics	3	
Math Physics	3	
Digital Classroom Management	2	
Physics Learning Problems	3	
SEMESTER 2		
Big Data Analysis	2	
Quantum Physics	3	
Statistical Physics	3	
Physics Education Research Methodology	3	
Physics Learning	3	
Research Instrument Development	2	

Magister of Chemical Education

Courses	Credits	Notes
SEMESTER 1		
Philosophy and Development of Science	2	
Structure Determination	3	
Chemistry Learning Problems	3	
Applied Statistics and Research Methodology for Chemistry Education	3	
Chemistry Learning Media and Technology	3	
SEMESTER 2		
Chemical Instrumentation	3	
Capita Selecta Chemistry Education	3	
Material Chemistry	3	
Chemical Laboratory Management	2	
Scientific Article Writing	2	
Chemistry Practical Design	2	
Chemical Industry	2	
Chemistry Teaching Material Management	2	

Magister of Architecture

Courses	Credits	Notes
SEMESTER 1		
Contemporary Architecture	2	
Philosophy of Science	3	
Research Methodology	3	
Urban and Rural Settlements	2	
Tourism Planning	2	
Thematic Research II	4	
Statistics	2	
SEMESTER 2		
Java Architecture	2	
Architectural Ecology and Culture	2	
City Village	2	
Thematic Research II	4	
History and Theory of Architecture	2	
Architectural Typology and Morphology	2	
SEMESTER 3		
Architecture and Power in Southeast Asia	2	
Urban and Rural Management	2	
Scientific Publications	2	

Magister of Pancasila and Civic Education

Courses	Credits	Notes
SEMESTER 1		

Political Ethics and Governance	2	
Science Philosophy	2	
Constitution and the Rule of Law	2	
Research Methodology	2	
Theory and Foundation of Citizenship Education	2	
Citizenship Theory	2	
SEMESTER 2		
Citizenship Education Instructional Design	2	
Human Rights	2	
Multicultural Citizenship	2	
Pancasila And Contemporary Ideology	2	
Education of Value	2	
Curriculum and Society in Citizenship Education	2	
International Perspectives in Citizenship Education	2	
Democratic System	2	
SEMESTER 3		
Digital Citizenship*	2	
Ecological Citizenship*	2	
Legal Awareness Education*	2	
Conflict Resolution*	2	

Magister of Biology Education

Courses	Credits	Notes
SEMESTER 1		
Anatomy, Physiology, and Development of Living Creature	3	
Biosystematic	3	
Science Philosophy	2	
Research Methodology	3	
Scientific Writing and Publication	2	
Biology Education Problems	3	
Applied Statistics	2	
SEMESTER 2		
Assessment and Evaluation	3	
Biodiversity	3	
Bioinformatics	3	
Molecular Biology	3	
Biology Classroom Innovation and Management	3	
Conservation of Natural Resources and Environment	3	
Applied Microbiology	3	
Curriculum Development of Higher Education Biology	3	

Development of Biology Learning Media and Resources	3	
Stimulation of Higher Order Thinking Skills	3	

Magister of Geology

Courses	Credits	Notes
SEMESTER 1		
Advanced Soil Biology	3	
Hydrometeorology and Tropical Climatology	3	
Advanced Soil Fertility	3	
Tropical Soil and Water Conservation	3	
Advanced Research Methodology	3	
SEMESTER 2		
Advanced Soil and Environmental Biotechnology	3	
Soil Ecology	3	
Advanced Soil Chemistry	3	
Soil Quality and Safety	2	
Plant Nutrition	3	
Soil Pedogenesis and Taxonomy	3	
Tropical Soil and Watershed Management	3	
Regional Development Planning and Evaluation	3	
Forest and Land Rehabilitation	3	
Geographic Information System and Mapping	3	

Magister of Vocational Teacher Education

Courses	Credits	Notes
SEMESTER 1		
The Scientific Foundation of Vocational Education	3	
Learning Management System	2	
Vocational Education Research Methodology	3	
Vocational Scientific Writing	2	
Statistics	3	
Vocational Learning Theory and Strategies	2	
SEMESTER 2		
Vocational Education Management and Organization	2	
Pedagogic Elective Course: Development of Learning Tools	3	
Professional Elective Course: Vocational Career Development	3	
Curriculum Development and Evaluation of Vocational Learning	2	

Thesis I	3	
SEMESTER 3		
Internship	2	
Technopreneurship	2	

Magister of Animal Husbandry

Courses	Credits	Notes
SEMESTER 1		
Biotechnology Applications for Animal Husbandry	2	
Bionomy for Animal Husbandry	2	
Managerial Economics	3	
Science Philosophy	2	
Physiology and Advanced Livestock Production Technology	3	
Animal Nutrition Physiology	3	
Macro and Micro Economics	3	
Applied Animal Feed and Nutrition Science	3	
Agribusiness Management for Animal Husbandry	2	
Scientific Writing and Presentation	2	
Special Problems of Animal Nutrition	3	
Special Problems of Livestock Production	3	
Social and Economic Special Problems for Animal Husbandry	3	
Advanced Livestock Reproduction and Breeding Technology	3	
SEMESTER 2		
Agroindustry and Animal Feed Industry	2	
Agribusiness Investment Analysis for Animal Husbandry	3	
Endocrinology and Animal Reproduction	2	
Animal Molecular Genetics	2	
Development Policy for Animal Husbandry	2	
Agribusiness Risk Management for Animal Husbandry	2	
Research Methodology for Animal Husbandry	2	
Advanced Non-Ruminant Nutrition	3	
Advanced Animal Breeding	2	
Advanced Dairy Production	2	
Advanced Beef Production	2	
Advanced Poultry Production	2	
Agribusiness Strategy for Animal Husbandry	3	
Animal Feed Techniques and Instrumentation	2	
Feed Technology and Quality Control	2	

C. DOCTORAL PROGRAM

Doctoral Program of Linguistic

Courses	Credits	Notes
SEMESTER 1		
Discourse Analysis	2	
Language Research Methods	4	
Semantics	2	
Linguistic Theory	2	
Translation Theory	2	
SEMESTER 2		
Ethnolinguistics	2	
Hermeneutics and Translation	2	
Comparative Historical Linguistics	2	
Functional Systemic Linguistics	2	
Approach in Translation	2	
Audio Visual Translation	2	
Pragmatics	2	
Translation Project	2	
Linguistics Problem Seminar	2	
Translation Problem Seminar	2	
Sociolinguistics	2	
Typology and Universality of Language	2	

Doctoral Program of Legal Studies

Courses	Credits	Notes
SEMESTER 1		
Science Philosophy	1	
Law and Economics	1	
Law and Globalization	1	
Research Methodology	1	
Legal Theory	1	
SEMESTER 2		
Law and Social Change	2	
Law and Information Technology	2	
Constitutional Law and Human Rights	2	
Economic Criminal Law	2	
The Justice System in Indonesia	2	

Doctoral Program of Indonesian Language Education

Courses	Credits	Notes
SEMESTER 1		
Contemporary Philosophy of Science	2	
Research Methodology in the Field of Language and Literature	3	

Theory and Teaching of Language	2	
The Latest Theory of Literature and Its Teaching	2	
SEMESTER 2		
Evaluation of Language and Literature Learning	2	
Journal Critical Studies	3	
Study of Prose, Poetry, and Drama	2	
Innovative Learning Models of Language and Literature	3	
Pragmatic	2	
Sociolinguistic	2	

Doctoral Program of Community Development or Empowerment Counselling

Courses	Credits	Notes
SEMESTER 1		
Basics of Community Development or Empowerment Counselling	3	
Philosophy of Science	3	
Communication Development	3	
CSR Concept and Philosophy	3	
Non-Formal and Informal Education Concepts and Policies	3	
Training Management	3	
Community Development	3	
Human Resource Development	3	
Sociology of Development	3	
Theories and Models of Health Promotion	3	
The Theory of Development	3	
SEMESTER 2		
Research Data Analysis	3	
Research Design and Instrumentation	3	
Non-Formal and Informal Education Institutions	3	
Management of Micro Enterprises and Small and Medium Institutions	3	
Research Methods Extension or Community Empowerment	3	
CSR Audit Planning and Evaluation	3	
Planning and Evaluation of Extension Programs or Community Empowerment	3	
Socio-Anthropology of Health and Management of Community-Based Health Enterprises	3	

Doctoral Program of Economics

Courses	Credits	Notes
SEMESTER 1		
Quantitative Or Qualitative Analysis	3	
Econometrics	3	
Science Philosophy	3	
Behavioral Science	3	
Research Methodology	3	
Research Issues in Auditing and Assurance Services	3	
Research Issues in CSR, Sustainability, Governance and Accountability (CSGA)	3	
Research Issues in Financial Accounting and Reporting	3	
Research Issues in Islamic Accounting and Reporting	3	
Research Issues in Management Accounting and Control	3	
Research Issues in Public Sector Accounting	3	
Research Issues in Tax and Internal Revenue Management	3	
Research Issues in Technology and Information System	3	
Advanced Macroeconomic Theory	3	
Advanced Microeconomic Theory	3	
SEMESTER 2		
Consumer Behavior	3	
Institutional Economics and Public Policy	3	
Rural Economics, Sociology and Poverty	3	
Agricultural Economics and Agroindustry	3	
Public Sector Economy and State Finance	3	
Human Resource Economics and Entrepreneurship	3	
Regional or Regional and Urban Economics	3	
Marketing Philosophy	3	
Capita Selecta Strategic Management Research	3	
Strategic Management	3	
Multivariate	3	
Financial Intermediation Theory	3	
Corporate Finance Theory	3	
Human Resource Management Theory	3	
Organization Theory	3	

Doctoral Program of Environmental Sciences

Courses	Credits	Notes

SEMESTER 1		
Science Philosophy	2	
Environmental Policy and Law	2	
Waste Management and Technology	2	
Natural Resources and Environment Management	3	
Research Methodology and Design	2	
Scientific Writing and Publication	2	
SEMESTER 2		
Bioremediation	2	
Economics of Natural Resources and Environment	2	
Environmental Sanitation and Health	2	
Environmental Management Systems and Modelling	2	

Doctoral Program of Educational Sciences

Courses	Credits	Notes
SEMESTER 1		
Education Evaluation	2	
Science Philosophy	2	
Research Methodology (Quantitative, Qualitative, and Development)	3	
Advanced Pedagogy	2	
Advanced Educational Psychology	2	
SEMESTER 2		
Education Policy Analysis	2	
Statistics Analysis	2	
Critical Review of Journal	2	
Learning Design and Model	2	
Research in the Field of Learning Technology	2	
Information and Communication Technology	2	
Seminar	2	

Doctoral Program of Agricultural Sciences

Courses	Credits	Notes
SEMESTER 1		
Molecular Biology and Genetic Engineering	2	
Plant Ecophysiology	3	
International Economics and Agricultural Development	3	
Philosophy of Science and Research Methods	3	
Advanced Food Science and Technology	3	
Production Management of Animal Husbandry	3	

Integrated Pest Management	3	
Tropical Soil Properties and Management	3	
Special Topic for Dissertation Study	3	
SEMESTER 2		
Systems Analysis and Modelling in Agriculture	2	
Land Resource Evaluation and Management	2	
Tropical Crop Production Management and Climate Change	2	
Strategic Management and Decision Making	2	
Functional Foods and Nutraceuticals	2	
Food Engineering	2	

Doctoral Program of Cultural Studies

Courses	Credits	Notes
SEMESTER 1		
Philosophy of Science (Epistemology of Cultural Studies)	2	
Anthropology and Sociology	2	
Capita Selecta Theory of Cultural Studies (Semiotics, Hermeneutics, and Deconstruction)	2	
Research Methodology (Critical Study Approach)	2	
Multiculturalism and Cross Culture	2	
Cultural Theory (Post-modernism)	2	

Doctoral Program of Science Education (Pendidikan IPA)

Courses	Credits	Notes
SEMESTER 1		
Research Design and Qualitative Data Analysis	3	
Philosophy of Science	3	
Science Education Research and Analysis	3	
Integrated Science Studies	3	
International Science Curriculum Study	3	
Nano Technology	3	
SEMESTER 2		
Research Design and Quantitative Data Analysis	3	
Contemporary Science Studies	3	
Independent Study I	3	
Higher Order Thinking Empowerment Study	3	
Scientific Writing	3	
Cognitive Psychology	3	

Science Psychometry	3	
SEMESTER 3		
Independent Study II	3	
Independent Study III	3	

Doctoral Program of Mechanical Engineering

Courses	Credits	Notes
SEMESTER 1		
Advanced Applied CFD	4	
Advanced Product Design	4	
Advanced Experimental Vibration and Damping	4	
Advanced Nano Semiconductor Material Characterization	4	
Advanced Biomedical Special Materials	4	
Research Methodology and Advanced Scientific Rules	3	
Advanced Convection Heat Transfer	4	
Advanced Pyrolysis and Gasification	4	
Dissertation Topic Seminar I (Literature Review)	2	
Dissertation Topic Seminar II (Research Methods)	2	
Dissertation Topic Seminar III (Dissertation Proposal)	2	
Advanced Nano Fluid Technology	4	
SEMESTER 2		
Advanced Photovoltaic-Based Energy Conversion	4	

Doctoral Program of Sports Sciences

Courses	Credits	Notes
SEMESTER 1		
Philosophy of Science and Sports Science	3	
Exercise Physiology	3	
Sports Development Management and Policy	3	
Sports Research	3	
SEMESTER 2		
Sports Biochemistry	3	
Sports and Health Exercise	3	
Competency Development and Sports Profession	3	
Sports Sociology	3	
SEMESTER 3		
Seminar on Sports Issues	2	

Doctoral Program of Communication Studies

Courses	Credits	Notes
SEMESTER 1		
Science Philosophy	3	
Quantitative Communication Research Methods	3	
Communication Theory	3	
SEMESTER 2		
Communication and Social Change	3	
Strategic Communication	3	
Qualitative Communication Research Methods and Multiple Methods	3	

Doctoral Program of Civil Engineering

Courses	Credits	Notes
SEMESTER 1		
Expertise Course	2	
Research Methodology and Scientific Rules	3	
Sustainability in Civil Engineering	3	

Doctoral Program of Public Health Sciences

Courses	Credits	Notes
SEMESTER 1		
Advanced Biostatistics	2	
Epidemiology and Social Determinants	2	
Science Philosophy	2	
Social and Behavioral Sciences	2	
Health Policy and Management	2	
Literature Review	2	
Academic Writing	2	
Advanced Research Methods	2	
SEMESTER 2		
Global Health	2	
Leadership and Systems Thinking	2	
Occupational Health	2	
Disease Prevention and Control	2	
Practice of Conducting Good Health Research	2	

Doctoral Program of Physics

Courses	Credits	Notes

SEMESTER 1		
Energy Stroge Material	3	
Philosophy of Science (Physics)	3	
High Energy Physics	3	
Capita Selecta	3	
Artificial Intelligence in Disease Diagnosis	3	
Magnetic Materials	3	
Research Methodology	3	
Micro/nano Materials Processing	3	
Advanced Bioelectric Signal Processing	3	
Quantum Relativity	3	
Quantum Statistics	3	
SEMESTER 2		
Qualification Exam	3	

Doctoral Program of Biology

Courses	Credits	Notes
SEMESTER 1		
Bioconservation	2	
Taxonomy Philosophy	2	
Science Philosophy	2	
Industrial Biotechnology	2	
Capita Selecta Biodiversity	2	
Capita Selecta Research Methodology	2	
Bioproduct Development	2	
Metabolite Analysis Techniques	2	

Doctoral Program of History Education

Courses	Credits	Notes
SEMESTER 1		
Philosophy of History and Theory of Education in History	3	
The Study of the Paradigm of Historical Education in Indonesia	3	
Memory, History and Education	3	
Academic Writing for Journals	2	
SEMESTER 2		
Digitizing History Education	2	
Historiography For History Education	2	
Multiculturalism, Nationalism, and Globalism	3	
Historical Education Research	3	

Doctoral Program of Economic Education

Courses	Credits	Notes

SEMESTER 1		
Analysis of Economic Education Problems	3	
Applied Microeconomics	3	
Science Philosophy	2	
Research Methodology	3	
SEMESTER 2		
Applied Macroeconomics	3	
Educational Economics	2	
Development of Economic Education Curriculum Design	3	
International Scientific Writing	2	

Doctoral Program of Industrial Engineering

Courses	Credits	Notes
SEMESTER 1		
Ethics And Scientific Writing	2	
Philosophy of Science and Research Methodology	3	
SEMESTER 2		
Supporting Disertation I (Manufacturing System Engineering and Operations Management)	3	
Supporting Dissertation II (Ergonomics and Product Engineering)	3	
Supporting Dissertation III (Logistics Systems and Business Engineering)	3	
Human Factors Engineering in Product Design	3	
Integrated Operations Management System	3	
Supply Chain Systems and Business Engineering	3	