



**LIST OF COURSES OFFERED TO INTERNATIONAL STUDENTS
NON-DEGREE PROGRAM
EVEN SEMESTER, ACADEMIC YEAR 2025/2026
Faculty of [Name] - Universitas Indonesia**

Course Name: Statics

Degree	Bachelor
Department/Study Program	Civil Engineering
Type of Class	International
Lecturer Name	
Course Structure	Lecture
Course Credits	4
Course Overview	Statics provides basic concepts of mechanics and the application of this knowledge in Civil Engineering. It covers calculating and analyzing the response of rigid bodies due to applied forces, analyzing simple determinate structures, and understanding influence lines of beam and frame structures due to moving loads.
Course Key Words	
Learning Outcome	<ul style="list-style-type: none"> • Students are able to apply Newton's Laws in calculating reactions and internal forces in determinate structures. • Students are able to analyze influence lines in simple determinate structures under moving loads.
Course Schedule	Newton's Laws and mechanics; Analysis of rigid body response; Simple determinate structures: beams, portals, frames; Influence lines for beams and frames under moving loads.
Textbooks, References, and Supplementary Materials (Maximum 3)	<ol style="list-style-type: none"> 1. Hibbeler, R.C., Engineering Mechanics Statics, Thirteenth Edition, Pearson, 2013 2. Hibbeler, R.C., Structural Analysis, Eighth Edition, Prentice Hall, 2012 3. Andrew Pytel; Jaan Kiusalaas, Engineering Mechanics: Statics: 3rd edition, The Pennsylvania State University, 2010
Grading Component	-
Other (i.e. Expectations on Classroom)	<p>Students are expected to:</p> <ul style="list-style-type: none"> - Attend all classes regularly and on time.



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Conduct and Decorum etc.)	<ul style="list-style-type: none">- Participate actively in discussions and learning activities.- Maintain respectful behavior toward instructors and peers.- Avoid any form of academic dishonesty (e.g., plagiarism, cheating).
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Faculty of [Name] - Universitas Indonesia**

Course Name: Construction Material Laboratory

Degree	Bachelor
Department/Study Program	Civil Engineering
Type of Class	International
Lecturer Name	
Course Structure	Practicum
Course Credits	1
Course Overview	The Construction Materials Laboratory course involves conducting experiments to provide students with a deeper understanding of analyzing experiment results in relation to theoretical knowledge from lectures.
Course Key Words	
Learning Outcome	Students are able to conduct experiments in the laboratory and analyze the results.
Course Schedule	Laboratory experiments on construction materials; Analysis of experimental results; Application of theoretical knowledge.
Textbooks, References, and Supplementary Materials (Maximum 3)	<ol style="list-style-type: none"> 1. S. Young, Sidney, The Science and Technology of Civil Engineering Materials, Prentice-Hall International Inc., 1998 2. Shan Somayaji, 2001, Civil Engineering Materials, Prentice Hall.
Grading Component	-
Other (i.e. Expectations on Classroom Conduct and Decorum etc.)	<p>Students are expected to:</p> <ul style="list-style-type: none"> - Attend all classes regularly and on time. - Participate actively in discussions and learning activities. - Maintain respectful behavior toward instructors and peers. - Avoid any form of academic dishonesty (e.g., plagiarism, cheating).



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Course Name: Physical Chemistry

Degree	Bachelor
Department/Study Program	Civil Engineering
Type of Class	International
Lecturer Name	
Course Structure	Lecture
Course Credits	2
Course Overview	The Physical Chemistry course covers the properties of materials used in Civil Engineering. The course includes practical experiments to deepen students' understanding by linking theory with experiment results.
Course Key Words	
Learning Outcome	Students are able to identify and analyze the properties of materials used in Civil Engineering.
Course Schedule	Properties of Civil Engineering materials; Laboratory experiments; Analysis and interpretation of experimental data.
Textbooks, References, and Supplementary Materials (Maximum 3)	<ol style="list-style-type: none"> 1. S. Young, Sidney, The Science and Technology of Civil Engineering Materials, Prentice-Hall International Inc., 1998 2. Shan Somayaji, 2001, Civil Engineering Materials, Prentice Hall. 3. Robert D Kerbs, Richard D Walker, (1971) Highway Materials, Mc Graw-Hill 4. A.M Neville; Properties of Concrete
Grading Component	-
Other (i.e. Expectations on Classroom Conduct and Decorum etc.)	<p>Students are expected to:</p> <ul style="list-style-type: none"> - Attend all classes regularly and on time. - Participate actively in discussions and learning activities. - Maintain respectful behavior toward instructors and peers. - Avoid any form of academic dishonesty (e.g., plagiarism, cheating).



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Course Name: Basic Soil Mechanics

Degree	Bachelor
Department/Study Program	Civil Engineering
Type of Class	International
Lecturer Name	
Course Structure	Lecture
Course Credits	3
Course Overview	Basic Soil Mechanics introduces the fundamental properties of soils, stress distribution, and relevant laboratory and field testing for civil engineering applications.
Course Key Words	
Learning Outcome	<ul style="list-style-type: none"> • Students will be able to analyze the physical and mechanical properties of soil and the stress distribution due to applied loads in civil engineering projects. • Students will be able to select and analyze appropriate geotechnical laboratory tests for simple civil engineering projects.
Course Schedule	Soil properties; Soil structure; Soil density; Soil permeability; Soil strength; Stress analysis in soil; Field and laboratory testing methods.
Textbooks, References, and Supplementary Materials (Maximum 3)	<ol style="list-style-type: none"> 1. Blyth, F.G.H. & de Freitas, M.H., "A Geology for Engineers, 7th Ed.". Elsevier. 2005. 2. Craig, R.F., "Soil Mechanics, 7th Ed.", 2007 3. Bowles, J.E., "Physical and Geotechnical Properties of Soils", McGraw-Hill Kogakusha Ltd., 1998. 4. Das, B.M., "Principles of Geotechnical Engineering", Seventh Edition, 2010, PWS Publishing Company, Boston 5. Budu M., "Soil Mechanics and Foundations", Third Edition, 2010, John Wiley & Sons, New York
Grading Component	-



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<p>Other (i.e. Expectations on Classroom Conduct and Decorum etc.)</p>	<p>Students are expected to:</p> <ul style="list-style-type: none">- Attend all classes regularly and on time.- Participate actively in discussions and learning activities.- Maintain respectful behavior toward instructors and peers.- Avoid any form of academic dishonesty (e.g., plagiarism, cheating).
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Course Name:

Degree	Bachelor
Department/Study Program	Civil Engineering
Type of Class	International
Lecturer Name	
Course Structure	Lecture, Case Study
Course Credits	3
Course Overview	The Statistics and Probability course provides students with basic skills to analyze and conceptualize statistical and probabilistic concepts in case studies of testing and measurement in Civil Engineering.
Course Key Words	
Learning Outcome	<ul style="list-style-type: none"> • Students are able to analyze statistical and probabilistic concepts in Civil Engineering case studies. • Students are able to conceptualize and apply statistical and probabilistic data in Civil Engineering testing and measurement.
Course Schedule	Basic concepts of statistics and probability; Application to testing and measurement; Case study analysis.
Textbooks, References, and Supplementary Materials (Maximum 3)	<ol style="list-style-type: none"> 1. Harinaldi, Basic Principles of Statistical Engineering and Science, Erlangga, 2004 2. Montgomery, DC., And Runger, GC., Applied Statistics and Probability for Engineers, John Wiley Sons, 2002
Grading Component	-
Other (i.e. Expectations on Classroom Conduct and Decorum etc.)	<p>Students are expected to:</p> <ul style="list-style-type: none"> - Attend all classes regularly and on time. - Participate actively in discussions and learning activities. - Maintain respectful behavior toward instructors and peers. - Avoid any form of academic dishonesty (e.g., plagiarism, cheating).



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Course Name: Numerical Method

Degree	Bachelor
Department/Study Program	Civil Engineering
Type of Class	International
Lecturer Name	
Course Structure	Lecture
Course Credits	3
Course Overview	Numerical Methods introduces numerical techniques for solving algebraic and differential equations essential for civil engineering analysis.
Course Key Words	
Learning Outcome	<ul style="list-style-type: none"> • Students will be able to solve algebraic and differential equations using numerical methods. • Students will be able to develop logical programming algorithms for numerical problemsolving.
Course Schedule	Root-finding techniques; Numerical solutions of linear systems; Curve fitting; Numerical differentiation and integration; Ordinary differential equations; Programming logic and algorithm development.
Textbooks, References, and Supplementary Materials (Maximum 3)	<ol style="list-style-type: none"> 1. Numerical Methods for Engineers, Steven C. Chapra & Raymond P Canale, 7th edition, 2013 2. Applied Numerical Methods with MATLAB for Engineers and Scientist, 3rd edition, Steven C. Chapra, Mc Graw Hill, 2012 3. KATILI, Irwan, Metode Elemen Hingga untuk Skeletal, Rajawali Pers, 2008
Grading Component	-
Other (i.e. Expectations on Classroom Conduct and Decorum etc.)	<p>Students are expected to:</p> <ul style="list-style-type: none"> - Attend all classes regularly and on time. - Participate actively in discussions and learning activities. - Maintain respectful behavior toward instructors and peers. - Avoid any form of academic dishonesty (e.g., plagiarism, cheating).



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Course Name: Structural Analysis

Degree	Bachelor
Department/Study Program	Civil Engineering
Type of Class	International
Lecturer Name	
Course Structure	Lecture
Course Credits	4
Course Overview	Structural Analysis covers the analysis of statically indeterminate structures using classical and stiffness methods, supplemented by software tools.
Course Key Words	
Learning Outcome	<ul style="list-style-type: none"> • Students will be able to analyze statically indeterminate structures using classical methods (three-moment equation, slope deflection, and moment distribution) and stiffness methods. • Students will be able to use software such as MATLAB/SAP to confirm structural analysis results obtained by stiffness methods.
Course Schedule	Statically determinate vs. indeterminate structures; Classical methods for beams and frames; Direct stiffness method for 2D frames, continuous beams, and composite structures.
Textbooks, References, and Supplementary Materials (Maximum 3)	<ol style="list-style-type: none"> 1. Hibbeler, R.C., Structural Analysis, Prentice Hall, 1998 2. Aslam Kassimali, Structural Analysis, Third Edition, Thomson, 2005 3. Ghali A., A.M. Neville, Structural Analysis : A unified Classical and Matrix Approach, 4th ed., Thompson pub., 1997 4. Marc Hoit, Computer-Assisted Structural Analysis and Modelling, Prentice Hall, Englewood Cliffs, New Jersey, 1995



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	5. KATILI, Irwan, Metode Elemen Hingga untuk Skeletal, Rajawali Pers, 2008
Grading Component	-
Other (i.e. Expectations on Classroom Conduct and Decorum etc.)	Students are expected to: <ul style="list-style-type: none">- Attend all classes regularly and on time.- Participate actively in discussions and learning activities.- Maintain respectful behavior toward instructors and peers.- Avoid any form of academic dishonesty (e.g., plagiarism, cheating).



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Course Name: Surveying & Geospatial Information System

Degree	Bachelor
Department/Study Program	Civil Engineering
Type of Class	International
Lecturer Name	
Course Structure	Lecture
Course Credits	2
Course Overview	Surveying & Geospatial Information System explores the fundamentals of mapping and GIS technology, crucial for spatial data management in civil and environmental engineering.
Course Key Words	
Learning Outcome	<ul style="list-style-type: none"> • Students will be able to implement land measurement methods within a spatial framework. • Students will be able to integrate coordinate systems in mapping and staking out. • Students will be able to interpret digital measurement data within a geospatial context.
Course Schedule	Basics of GIS; Role of GIS in civil engineering; Measurement tools; Distance and angle measurement methods; Geospatial data management; Spatial analysis using coordinate systems; Flipped classroom methodology with pre-tests, literature reviews, and post-tests.
Textbooks, References, and Supplementary Materials (Maximum 3)	<ol style="list-style-type: none"> 1. ESRI. GIS Solutions for Surveying. ESRI Publishers, 2007 2. Gopi, S., Sathikumar, R., Madhu, N., Advanced Surveying: Total Station, GIS, and Remote Sensing, Pearson Education, 2008 3. Kavanagh, B. and Slattery, D., 2014. Surveying with Construction Applications 8th ed., Prentice-Hall, Inc 4. Michael Govorov, Linas Bevainis, Andrius Balnas. Remote Sensing and GIS for Cadastral Surveying, Center for Cartography at the Faculty of Natural Sciences Vilnius University. 2016.



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Grading Component	-
Other (i.e. Expectations on Classroom Conduct and Decorum etc.)	Students are expected to: <ul style="list-style-type: none">- Attend all classes regularly and on time.- Participate actively in discussions and learning activities.- Maintain respectful behavior toward instructors and peers.- Avoid any form of academic dishonesty (e.g., plagiarism, cheating).



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Course Name: Hydraulics

Degree	Bachelor
Department/Study Program	Civil Engineering
Type of Class	International
Lecturer Name	
Course Structure	Lecture
Course Credits	3
Course Overview	Hydraulics is an applied engineering course that analyzes mass, energy, and momentum conservation laws for designing water flow systems under pressure, in open channels, and through hydraulic structures.
Course Key Words	
Learning Outcome	<ul style="list-style-type: none"> • Students will be able to analyze the conservation laws of mass, energy, and momentum as the basis for designing water flow systems under various conditions. • Students will be able to conduct analytical and laboratory studies of water systems under pressure, in open channels, and through hydraulic structures.
Course Schedule	Energy and momentum principles; Flow under pressure; Flow in open channels; Hydraulic machinery; Hydraulic structures; Laboratory methods.
Textbooks, References, and Supplementary Materials (Maximum 3)	<ol style="list-style-type: none"> 1. Merle C. Potter, David C. Wiggert, Bassem H. Ramadan, Mechanics of Fluids, Fourth Edition, Cengage Learning, 2011. 2. Frank M. White, Fluid Mechanics, Fourth Edition, McGraw-Hill, 1998.
Grading Component	-
Other (i.e. Expectations on Classroom Conduct and Decorum etc.)	<p>Students are expected to:</p> <ul style="list-style-type: none"> - Attend all classes regularly and on time. - Participate actively in discussions and learning activities. - Maintain respectful behavior toward instructors and peers. - Avoid any form of academic dishonesty (e.g., plagiarism, cheating).



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Course Name: Foundation Engineering

Degree	Bachelor
Department/Study Program	Civil Engineering
Type of Class	International
Lecturer Name	
Course Structure	Lecture
Course Credits	3
Course Overview	Foundation Engineering is a crucial course in the civil engineering program specializing in Geotechnics. It covers various types and systems of deep foundations and retaining walls, methods to determine the axial and lateral capacity of deep foundations, methods for axial and lateral deformation of deep foundations, and tests for deep foundation capacity.
Course Key Words	
Learning Outcome	<ul style="list-style-type: none"> • Able to apply methods and types of deep foundations and retaining walls suitable for a civil engineering project. • Able to design deep foundations and retaining walls. • Able to present design results in drawings applying engineering drawing principles.
Course Schedule	Foundation Engineering is a key course in the Civil Engineering program with a focus on Geotechnics. This course covers different types and systems of deep foundations. Students will learn various methods for determining axial and lateral capacity, axial and lateral deformation of deep foundations, and methods for deep foundation capacity testing.
Textbooks, References, and Supplementary Materials (Maximum 3)	<ol style="list-style-type: none"> 1. Coduto D.P., "Foundation Design", Prentice Hall, Inc., 1994 2. Prakash S & Sharma HD., Pile foundation in Engineering Practice, John Wiley & Sons, 1990 3. Tomlinson M. dan Woodward J., "Pile Design and Construction Practice, 5th Ed.", Taylor & Francis, Oxon, UK., 2007 4. Reese L.C., Isenhower W.M. dan Wang S.-T., "Analysis and Design of Shallow and Deep Foundations", John Wiley



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	<p>& Sons, Inc., Hoboken, USA., 2006.</p> <p>5. Fleming K., Weltman A., Randolph M., and Elson K.,” Piling Engineering, 3rd Ed.”, Taylor & Francis, Oxon, UK., 2009</p>
Grading Component	-
Other (i.e. Expectations on Classroom Conduct and Decorum etc.)	<p>Students are expected to:</p> <ul style="list-style-type: none">- Attend all classes regularly and on time.- Participate actively in discussions and learning activities.- Maintain respectful behavior toward instructors and peers.- Avoid any form of academic dishonesty (e.g., plagiarism, cheating).



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Course Name: Construction Drawing 2

Degree	Bachelor
Department/Study Program	Civil Engineering
Type of Class	International
Lecturer Name	
Course Structure	Lecture
Course Credits	3
Course Overview	Construction Drawing 2 is a course that provides students with the skills to use AutoCAD for civil engineering building structure drawings. The course covers the creation of building structure drawings for buildings with two or more floors according to engineering drawing standards.
Course Key Words	
Learning Outcome	<ul style="list-style-type: none"> • Able to use AutoCAD to draw civil engineering building structures. • Able to draw civil engineering building structures with two or more floors according to engineering drawing principles.
Course Schedule	Review of drawing notations: scale, drawing title, layout; visible/invisible parts; centerline; grid, axis; Review of building components based on architectural drawings: practical columns, tie beams, roof trusses; Reinforced concrete building structure drawings for buildings with more than two floors: foundation plan, beam-column plan, roof plan; beam reinforcement details, column reinforcement details, shallow and deep foundation details, beam-column joint details, reinforcement anchoring details; Steel industrial building structure drawings: beam-column plan, cross-sectional frame details, longitudinal frame details, beam-column joints, bracing connections.
Textbooks, References, and Supplementary Materials (Maximum 3)	<ol style="list-style-type: none"> 1. Neufret, Ernst, Data Arsitek Jilid 1 dan 2, Penerbit Erlangga, Jakarta, 1989 2. Subarkah, Imam, Konstruksi Bangunan Gedung, Penerbit Idea Dharma, Bandung, 1988 3. Sugiharjo, R., Gambar-Gambar Dasar Ilmu Bangunan,



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	<p style="text-align: center;">Penerbit R. Sugihardjo</p> <ol style="list-style-type: none">4. Tanggoro, Dwi., Utilitas Bangunan, Penerbit Universitas Indonesia, 20005. Giesecke, F. E., et al. (1997). Technical Drawing, Tenth Edition, Prentice Hall Publishing.
Grading Component	-
Other (i.e. Expectations on Classroom Conduct and Decorum etc.)	<p>Students are expected to:</p> <ul style="list-style-type: none">- Attend all classes regularly and on time.- Participate actively in discussions and learning activities.- Maintain respectful behavior toward instructors and peers.- Avoid any form of academic dishonesty (e.g., plagiarism, cheating).



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Course Name: Construction Management

Degree	Bachelor
Department/Study Program	Civil Engineering
Type of Class	International
Lecturer Name	
Course Structure	Lecture
Course Credits	2
Course Overview	Construction Management is a course designed to provide students with an understanding of construction projects, including project design, preparation of bid documents, contract administration, construction planning, methods and execution, supervision and control, material management, quality management, project cost management, time management, safety, health and environment, and project resource and stakeholder management.
Course Key Words	
Learning Outcome	<ul style="list-style-type: none"> • Students are able to choose and use modern engineering tools and ICT tools related to complex civil engineering problems. • Students can apply principles of engineering management and decision-making based on economic considerations in individual and group work as well as in project management.
Course Schedule	Project design; Bid document preparation; Contract administration; Construction planning; Construction methods and execution; Supervision and control; Material management; Quality management; Project cost management; Time management; Safety, health and environment; Project resource and stakeholder management.
Textbooks, References, and Supplementary Materials (Maximum 3)	<ol style="list-style-type: none"> 1. Kerzner, Harold, Project Management, John Wiley & Sons, Inc., 2006 2. Project Management Institute, A Guide to Project Management Body of Knowledge, 2013 3. Clough, R. H., Sears, G. A. and Sears, S. K., Construction Contracting, 7th ed., John Wiley & Sons Inc., New York, 2005



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	<ol style="list-style-type: none">4. Halpin, D., W., Construction Management. USA, John Wiley and Sons, Inc., New York, 19985. Hendrickson, C., Project Management for Construction. Fundamental Concepts for Owners, Engineer, Architects, and Builders., Prentice Hall, Singapore, 2008
Grading Component	-
Other (i.e. Expectations on Classroom Conduct and Decorum etc.)	Students are expected to: <ul style="list-style-type: none">- Attend all classes regularly and on time.- Participate actively in discussions and learning activities.- Maintain respectful behavior toward instructors and peers.- Avoid any form of academic dishonesty (e.g., plagiarism, cheating).



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Course Name: Concrete Structure 1

Degree	Bachelor
Department/Study Program	Civil Engineering
Type of Class	International
Lecturer Name	
Course Structure	Lecture
Course Credits	3
Course Overview	Concrete Structures 1 introduces students to the design of simple two-story buildings using reinforced concrete structures, the use of SAP software for structural analysis of two-story concrete buildings, and the drafting of concrete structures according to engineering drawing standards, including clear and organized design reports.
Course Key Words	
Learning Outcome	<ul style="list-style-type: none"> • Able to design simple two-story buildings using reinforced concrete structures. • Able to use SAP software for analyzing two-story concrete building structures. • Able to draft concrete structures for two or more stories according to engineering drawing standards and write clear and organized design reports.
Course Schedule	Introduction to design and analysis; Structural systems: Objectives, design steps; LRFD, reduction factors, and allowable stress; Loads; Load types and placement; Load distribution, factors; Load combinations; Basic concepts of reinforced concrete; Stress-strain characteristics of concrete and steel; Characteristic compressive strength of concrete; Evolution of concrete compressive strength; Limit strength concepts, Whitney stress block simplification, balanced failure; Analysis of single and double reinforcement in ordinary beams; Analysis of reinforcement in T-beams due to bending moments; Analysis of shear reinforcement in beams and torsional reinforcement; Analysis of one-way and two-way slab reinforcement with moment coefficient methods; Analysis of



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	reinforcement in short columns; Types of foundations and design of shallow local foundations and their drawings; Ability to calculate deflection in reinforced concrete structures.
Textbooks, References, and Supplementary Materials (Maximum 3)	<ol style="list-style-type: none"> 1. Persyaratan Beton Struktural Untuk Bangunan Gedung, SNI 2847: 2013 2. Beban Minimum untuk Perancangan Bangunan Gedung dan Struktur Lain, SNI 1727: 2013 3. MacGregor, J.G., Reinforced Concrete: Mechanics and design, 6th edition, Pearson, 2012 4. Wahyudi, Syahril A.Rahim, Struktur Beton Bertulang, Penerbit Gramedia, 1997
Grading Component	-
Other (i.e. Expectations on Classroom Conduct and Decorum etc.)	<p>Students are expected to:</p> <ul style="list-style-type: none"> - Attend all classes regularly and on time. - Participate actively in discussions and learning activities. - Maintain respectful behavior toward instructors and peers. - Avoid any form of academic dishonesty (e.g., plagiarism, cheating).



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Course Name: Water Engineering 2

Degree	Bachelor
Department/Study Program	Civil Engineering
Type of Class	International
Lecturer Name	
Course Structure	Lecture
Course Credits	3
Course Overview	This course equips students with the skills to utilize hydrological models assisted by geospatial models to evaluate the implications of land use changes on a watershed area (with a maximum area of 50 km ²). It includes preparing input data for deterministic hydrological models (HEC-HMS), evaluating the impact of hypothetical land use changes on flood magnitude and water infrastructure dimensions, and presenting analysis results effectively both in writing and orally.
Course Key Words	
Learning Outcome	<ul style="list-style-type: none"> • Able to operate ArcGIS geospatial models to prepare input data for HEC-HMS hydrological models. • Able to evaluate the implications of hypothetical land use changes on flood magnitude and water infrastructure dimensions. • Able to present analysis/evaluation results effectively in both oral and written forms.
Course Schedule	The course prepares students to use hydrological models with geospatial assistance to evaluate the effects of land use changes in a watershed area of up to 50 km ² . It includes preparing data for HEC-HMS models, evaluating the implications of land use changes, and presenting findings in systematic written documents and effective oral presentations. Learning methods include lectures, group discussions, written exams, and presentations. The course is taught in Indonesian.
Textbooks, References, and Supplementary Materials (Maximum 3)	<ol style="list-style-type: none"> 1. John E. Gribbin, 2014, Introduction to Hydraulics and Hydrology With Applications For Stormwater Management, Fourth Edition 2. Dewberry, Sidney O. And Raenzahn, Lisa N., 2008. Land Development Handbook: Planning, Engineering, And Surveying



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	<p>/ Dewberry. Third Edition. Mcgraw-Hill, Usa. E-Book</p> <ol style="list-style-type: none"> 3. Esri. Gis Solutions For Surveying. Esri Publishers, 2007. 4. Maine Stream Team Program Of The Maine Department Of Environmental Protectionstream, 2009. Survey Manual. A Citizen's Guide To Basic Watershed, Habitat, And Geomorphology Surveys In Stream And River Watersheds — Volume I. 5. The Usda Natural Resources Conservation Service. How To Read A Topographic Map And Delineate A Watershed. http://www.geo.brown.edu/research/Hydrology/FTP_site_5099-05/Delineate_watersheds_NH_NRCS.pdf
Grading Component	-
Other (i.e. Expectations on Classroom Conduct and Decorum etc.)	<p>Students are expected to:</p> <ul style="list-style-type: none"> - Attend all classes regularly and on time. - Participate actively in discussions and learning activities. - Maintain respectful behavior toward instructors and peers. - Avoid any form of academic dishonesty (e.g., plagiarism, cheating).



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Course Name: Ethics and Construction Law

Degree	Bachelor
Department/Study Program	Civil Engineering
Type of Class	International
Lecturer Name	
Course Structure	Lecture
Course Credits	2
Course Overview	This course covers knowledge related to construction law in drafting construction contracts and the concept of professional ethics in the construction industry.
Course Key Words	
Learning Outcome	<ul style="list-style-type: none"> • Able to apply knowledge of construction law in drafting construction contracts. • Able to apply knowledge of professional ethics concepts in the construction industry.
Course Schedule	The course explains construction law knowledge for drafting construction contracts and concepts of professional ethics in the construction industry.
Textbooks, References, and Supplementary Materials (Maximum 3)	<ol style="list-style-type: none"> 1. Mike W. Martin & Roland Scherzinger, Ethics in Engineering, Mc Graw Hill, 2005 2. Chow Kok Fong, Law and Practice of Construction Contracts, Sweet & Maxwell Asia, 2012 3. Nazarkhan Yasin, Kontrak Konstruksi di Indonesia, Gramedia Pustaka Utama, 2014
Grading Component	-
Other (i.e. Expectations on Classroom Conduct and Decorum etc.)	<p>Students are expected to:</p> <ul style="list-style-type: none"> - Attend all classes regularly and on time. - Participate actively in discussions and learning activities. - Maintain respectful behavior toward instructors and peers. - Avoid any form of academic dishonesty (e.g., plagiarism, cheating).



**LIST OF COURSES OFFERED TO INTERNATIONAL STUDENTS
NON-DEGREE PROGRAM
EVEN SEMESTER, ACADEMIC YEAR 2025/2026
Faculty of [Name] - Universitas Indonesia**

Course Name: Highway Engineering 2

Degree	Bachelor
Department/Study Program	Civil Engineering
Type of Class	International
Lecturer Name	
Course Structure	Lecture
Course Credits	2
Course Overview	After completing this course, students will be able to design highway geometry (horizontal and vertical alignments, and road appurtenances) and pavement thickness for both flexible and rigid pavements, operate Openroads for geometric design, and communicate their designs in written reports and draft working drawings.
Course Key Words	
Learning Outcome	<ul style="list-style-type: none"> • Able to design (C5) highway geometry (horizontal alignment, vertical alignment, and road appurtenances) and pavement thickness for both flexible and rigid pavements. • Able to operate (P3) Openroads in the geometric design process. • Able to communicate (A4) designs in written reports, draft working drawings, and participate in group discussions.
Course Schedule	Design of highway geometry and pavement thickness (flexible and rigid); Operating Openroads for geometric design; Communicating designs in written reports and draft working drawings; Group discussions.
Textbooks, References, and Supplementary Materials (Maximum 3)	<ol style="list-style-type: none"> 1. AASHTO, 2007. Maintenance Manual for Roadways and Bridges. 4th Ed. 2. Brockenbrough, R.L., Highway Engineering Handbook 3rd Ed, Mc Graw Hill, 2009 3. BSN (2004) : RSNI Perencanaan Geometrik Jalan Perkotaan 4. Direktorat Jenderal Bina MArga, (2013), Manual Desain



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	Perkerasan Jalan no 02/M/BM/2013, Kementerian Pekerjaan Umum. 5. Fwa, T.F., The Handbook of Highway Engineering, Taylor & Francis Group, 2006
Grading Component	-
Other (i.e. Expectations on Classroom Conduct and Decorum etc.)	Students are expected to: <ul style="list-style-type: none">- Attend all classes regularly and on time.- Participate actively in discussions and learning activities.- Maintain respectful behavior toward instructors and peers.- Avoid any form of academic dishonesty (e.g., plagiarism, cheating).

*** Note: Please add additional sheets for the next courses.**