
Courses in English

Spring Semester (March to June)

English Language and Literature

- English Conversation
- Intermediate English Conversation
- Critical Theory
- Advanced English Composition
- Recent British and American Literary Trends

Russian Language and Literature

- Topics in Eurasian Cultural History
- Russian Folklore

Language and Information

- Languages of the World
- Computational Linguistics
- Semantics
- Practical Language Drill (V)

Political Science and Diplomacy

- English for Political Science Students
- American Politics

Social Welfare

- Social Welfare Research
- Social Security

Communication

- Introduction to Advertising

Mathematics

- Complex Analysis (II)

Statistics

- Introduction to Statistics (I)
- Mathematical Statistics (I)
- Multivariate Statistics (I)

Physics

- General Physics (I)
- Modern Physics

Chemistry

- General Chemistry (I)
- Physical Chemistry (I)
- Organic Chemistry (I)
- Instrumental Analysis (II)
- Molecular Spectroscopy
- Topics in Physical Chemistry

Biological Sciences

- The Mysteries of Human Body

Molecular Biology

- Biological Sciences (I)
- Biochemistry (I)
- Biochemistry Laboratory
- Molecular Genetics
- Plant Cell Biology
- Endocrinology

Geological Sciences

- Hydrogeology

Mechanical Engineering

- Differential Equation in Engineering
- Computational Fluid Mechanics
- Applied Dynamics

Polymer Science and Engineering

- Physical Chemistry (I)
- Polymer Processing Design
- Nanocomposites Materials

Chemical and Biomolecular Engineering

- Principles and Calculations of Chemical Processes (I)
- Organic Chemistry (I)
- Chemical Reaction Engineering (I)
- Chemical Engineering Thermodynamics
- Process Control (II)

Organic Material Science and Engineering

- Organic Material System Physics
- Colorant Chemistry
- Fiber Assemblies Properties

Materials Science and Engineering

- Solid State Physics
- Introduction to Optical and Electro-Magnetic Properties
- Introduction to MEMS
- Ferrous and Nonferrous Materials (I)
- Ceramics Powder Engineering

Electrical Engineering

- Logic Circuit
- Electromagnetics (I)
- Electrical Circuits
- Numerical Analysis

Computer Science and Engineering

- C++ Programming

Urban Engineering

- Urban Economics
- Housing Policy
- Urban Renewal

Aerospace Engineering

- Mechanics of Solid (I)
- Aerodynamics
- Aircraft Structural Mechanics (I)
- Heat Transfer
- Compressible Fluid Flow

Industrial Engineering

- Data Structure
- Operations Research (I)
- Simulation

Naval Architecture and Ocean Engineering

- Engineering Materials
- Numerical Analysis
- Structural Mechanics
- Offshore Structural Design

Civil Engineering

- Mechanics of Materials and Practices (I)
- Surveying (I)
- Soil Mechanics (I)
- Highway Engineering
- Geo-Spatial Information

Environmental Engineering

- Microbiology
- Statistics
- Unit Operations and Processes for Water Purification (II)
- Environmental Remediation of Contaminated Soils and Groundwater

Law

- Anglo-American Law
- International Trade Law

English Language Education

- English Conversation (I)
- English Conversation (II)
- English Reading (II)
- English Drama & Advanced Conversation

- Essay Writing in English Education
- Reading British & American Poetry

Education

- Basics of Statistics
- Theories and Practices of Counseling
- Theories of Instruction
- Methods of Field Research

Special Education

- Education for Children with Mental Retardation

Mathematics Education

- Calculus (I)
- Linear Algebra (I)
- Modern Algebra (I)

Physical Education

- Modern Life and Recreation
- Sport Physiology
- Practicum in Physical Educational Statistics

International Trade

- International Commercial Transactions
- Contracts of International Trade
- Special Topics in International Management

Economics

- Microeconomics
- Principles of Economics (I)

Tourism and Convention

- Policy of Tourism and Convention
- Tourism English
- Tourism Development

Global Studies

- English Reading and Writing
- International Relations and Comparative Political System
- Political Economics of International Organization
- International Commerce and Contract Law
- European Politics and Economy

**plus, all the courses in the curriculum (refer to page 20-21)*

Business Administration

- Management Information Systems
- Marketing Management
- Organizational Behavior
- Investment Theory

- Marketing Research
- Financial Accounting
- Auditing
- Marketing Management
- Futures Markets
- Financial Economics
- Risk Management
- Management of Financial Institutions
- Strategic Management
- Firms and Management
- Principles of Management

Pharmacy

- Pathophysiology (I)
- Hospital Pharmacy
- Pharmacy Administration
- Endocrinology
- Anatomy
- Introduction to Pharmacy and Ethics
- Applied Microbiology (I)
- Physical Pharmacy (I)

Pharmaceutical Manufacturing

- Drug Manufacturing Engineering (I)
- Clinical Chemistry

Child Development and Family Studies

- Korean Family Life

Clothing and Textiles

- Structure of Textile Materials

Housing and Interior Design

- Housing and Interior Materials
- Interior Lighting

Nanomaterials Engineering

- General Chemistry (I)
- Physical Chemistry (I)
- Organic Chemistry
- Organic Materials
- Spectroscopy

Nanomechanics Engineering

- Organic Chemistry

Nanomaterials Engineering

- Organic Chemistry (I)
- Bioanalytical Chemistry (I)

- Nano Bio-Interfacial Engineering

Nanofusion Engineering

- Organic Chemistry (I)

Horticultural Bioscience

- Plant Molecular Biology

Animal Science

- Animal Proteomics

Biomaterials Science

- Physiology

Bio-Industrial Machinery Engineering

- Biomaterials Engineering

Agricultural Economics

- Readings in Agricultural Economics

Sport Science

- Fitness Management for Life
- Introduction of Sport Science
- Sport Medicine
- Sport Sociology

Fall Semester (September to December)

English Language and Literature

- English Composition
- Intermediate English Composition
- Criticism of Literature and World
- Advanced English Conversation

Russian Language and Literature

- Topics on the Central Asian and Siberian Culture
- History of Russian Literature
- Russian Composition

Language and Information

- Language and Computer
- Introduction to Linguistics
- Practical Language Drill (IV)
- Special Lecture on Linguistics

Political Science and Diplomacy

- American Foreign Policy
- International Organization
- A Special Topic in Political Science

Mathematics

- Advanced Differential Equations

- Differential Equations Lab
- Complex Analysis (I)
- Topology (II)

Statistics

- Introduction to Statistics (II)
- Matrix Algebra (II)
- Mathematical Statistics (II)

Physics

- General Physics (II)
- Mechanics (II)

Chemistry

- General Chemistry (II)
- Physical Chemistry (II)
- Chemical Kinetics

Biological Sciences

- Animal Anatomy

Molecular Biology

- Endocrinology
- Biophysics
- Eucaryotic Virology
- Biochemistry (II)
- Molecular Biology (II)
- Protein Engineering

Geological Sciences

- Environmental Geochemistry
- Industry Mineralogy

Mechanical Engineering

- Engineering Linear Algebra
- Composite Materials

Polymer Science and Engineering

- Physical Chemistry (II)
- Rheology
- Polymer Chemistry (II)
- Polymer Property (II)

Chemical and Biomolecular Engineering

- Introduction to Engineering
- Organic Chemistry (II)
- Biochemistry
- Principles and Calculations of Chemical Processes (II)
- Process Control (I)
- Material Engineering for Display Device

- Chemical Reaction Engineering (II)
- Molecular Biotechnology
- Fuel Cell

Organic Material Science and Engineering

- Organic Material Process
- Organic Material System Analysis
- Chemical Analysis of Organic Material

Materials Science and Engineering

- Introduction to Electric and Electronic Engineering
- Display Engineering
- Microelectronics Technology

Electrical Engineering

- Energy Engineering
- Laser Engineering
- Numerical Analysis
- Data Communications
- Logic Circuit
- Electromagnetics (II)
- Circuit Theory

Urban Engineering

- Environmental Problem and Policy
- Quantitative Analysis
- Community Facilities Planning

Aerospace Engineering

- Engineering Mechanics
- Fluid Mechanics
- Aircraft Structural Mechanics (II)
- Compressible Fluid Flow

Industrial Engineering

- Database
- Engineering Economy and Cost Analysis
- Operations Research (II)

Naval Architecture and Ocean Engineering

- Strength of Materials
- Ocean Equipment Design
- Ocean Engineering

Civil Engineering

- Dynamics
- Surveying (II)
- Soil Mechanics (II)
- Foundation Engineering

- Construction Scheduling and Cost Control
- Hydrology
- Geology for Civil Engineering
- Highway Design
- Construction Engineering

Environmental Engineering

- Unit Operations and Processes for Water Purification (I)
- Applied Fluid Mechanics
- Water Quality Management in Water Basin
- Instrumental Analysis of Environmental Pollution

Law

- Anglo-American Contract Law

English Language Education

- English Composition Practice
- Advanced English Composition
- Practice In Spoken English
- Introduction to British Literature
- Teaching English Reading and Writing
- Advanced English Conversation
- Reading British and American Short Stories
- British and American Literary Criticism

Education

- Knowledge Based Society and Education
- Educational Administration
- Psychology of Learning
- Measurement and Evaluation of Education

Mathematics Education

- Calculus (II)
- Linear Algebra (II)
- Teaching Method on Secondary Algebra

Physics Education

- Modern Physics

Physical Education

- Lifelong Fitness and Health
- Modern Society and Sport
- Studies in Teaching Material for Physical Education

International Trade

- International Marketing Management
- Business English for International Trade
- International Consumer Issues
- International Market Research

Economics

- Economics and Life
- Principles of Management
- Theory of Open Economy
- Theory of Economic Systems

Tourism and Convention

- Understanding Tourism Industry in the Global Age
- Economics of Tourism
- Convention English

Global Studies

- Chinese Politics, Society and Culture
- Foundation of International Law
- Chinese Economy and Trade
- New International Order and Regionalism
- Challenges and Future In Korea-Japan Relations

**plus, all the courses in the curriculum (refer to page 20-21)*

Business Administration

- Firm and Management
- Principles of Economics
- Statistics
- Database Management
- Production Management
- Human Resource Management
- Derivatives Markets
- Consumer Behavior
- Financial Market
- Option Theory
- Asset Investment

Pharmacy

- Applied Microbiology
- Pathophysiology (II)
- Neuroscience
- Clinical Pharmacy

Pharmaceutical Manufacturing

- Fundamental Physiology
- Physical Pharmacy (II)
- Drug Manufacturing Engineering (II)
- Clinical Pharmacy

Child Development and Family Studies

- Korean Family Life

Clothing and Textiles

- Textile Fabrication

Housing and Interior Design

- Housing Materials

Music

- Contemporary Piano Literature (II)

Nano Science and Technology

- Organic Chemistry (II)
- Computer Programming and Experiment

Nanomaterials Engineering

- Statistical Thermodynamics

Nanomedical Engineering

- Biosensors Engineering (I)
- Tissue Engineering (II)

Nursing

- Health Assessment
- Gerontologic Nursing

Horticultural Bioscience

- Plant Biotechnology
- Plant Genetics

Biomaterials Science

- Immunology

Life Science and Environmental Chemistry

- General Biology (II)
- Introduction to Bioscience

Bio-Industrial Machinery Engineering

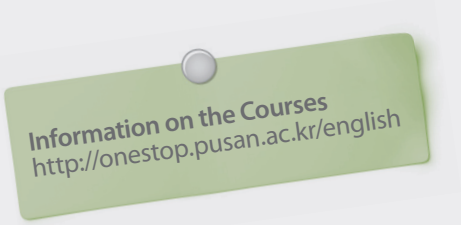
- Bio-Industrial Manufacturing Processes

Agricultural Economics

- Natural Resource Economics

Sport Science

- Sport English
- Management of Obesity



Information on the Courses
<http://onestop.pusan.ac.kr/english>