Handbook for students of Ajou University in Tashkent

Academic Information for students

1. Academic Schedule

a. Start of semester February 1st, May 25th

b. Day of Classes 15 weeks per semester

c. Makeup classes: We have to fill 15 hours of class hours for each credit to get Korean degree

(2 hours for laboratory classes)

d. Class hours

- 75 minutes (for 3 credits 2 times of 75 minutes classes and 15 minutes rest)

- 50 minutes (for 1 credit class of 50 minutes class and 10 minutes rest)

e. Important Academic Schedule

1st semester	1st February (Mon)	1st semester begins
	22 March (Mon)~26 March(Fri)	Mid term
	10 May(Mon)~14 May(Fri)	Final Term
	14 May(Fri)	1st semester ends
	17 May(Mon)~21 May(Fri)	Vacation
2nd semester	24 May (Mon)	2nd semester begins
	12 July(Mon)~16 July(Fri)	Mid term
	30 August (Mon)~3 September(Fri)	Final Term
	3 September(Fri)	2nd semester ends

2. Classes

a. Time table set

Time table will be fixed by course registration.

b. Course registration until 22th January.

Course registration will be done by each group.

c. Class rooms.

Most classroom are in Building A.

d. Practice rooms.

PC labs are on 1st floor of Building A

Architecture Practice rooms are 1st floor of Building B

e. Academic affairs team office: B305

f. Class evaluation

o Students will make evaluation of each class 1 or 2 times in each semester.

o The results of evaluation will be used for assessment of the classes.

g. Blackboard system

Grading and class materials will be proceeded in Blackboard system which will be prepared 1st or 2nd week of the February. Detailed explanation of Blackboard system session will be informed separately.

h. Attendance

Students shall attend at least 3/4 of the class hours per semester for each course

3. Grades

a. Taking the exams.

o Time: Mid-term and Final exam will be proceeded in a class time or designated time of the mid-term and final term period.

b. Test and grading

o Grade: Assessment by Attendency, Midterm, Final Exam, Quiz, Practice, Verbal test, Assignment, etc.

o Grading system

Grade	Score	GPA
A^+	95~100	4.5
A_0	90~94	4.0
B^+	85~89	3.5
B_0	80~84	3.0
C^+	75~79	2.5
C_0	70~74	2.0
D^+	65~69	1.5
D_0	60~64	1.0
F	0~59	0

o Grading is relative evaluation.

- Basic rule (Grade : Ratio)

Grade	Ratio of relative evaluation
A+ ~ A0	0~30%
A+ ~ B0	0~70%
Not greater than C+	No less than 30%

o Acquired credits cannot be given up.

4. Registration

- Students should register, that is pay, on designated period before start of the academic year.

5. Expulsion, Academic Warning

〇 Expulsion

 Students who fall into any of the following items shall be expelled.

 1. Students who failed to complete registration, that is payment of tuition, within the designated period with out any reason

 2 Students who have been expelled in accordance with disciplinary procedures

 3. Students who dropped out

 4. Students who received 3 consecutive academic warnings during their enrollment period

 5. Students who exceeded their duration of enrollment

 6. Students whose actions are in breach of their duties as students

〇 Academic warning

Academic warnings shall be given to students who fall under any of the following items.

1. Those with a GPA of 1.75 or lower in the semester

2. Those with an F for 6 credits or higher in the semester

3. Those who paid the tuition but did not register for classes

〇 Students who received academic warnings shall be notified on their report card when grades are sent.

〇 Students who receive third consecutive academic warnings during enrollment shall be expelled.

6.Graduation

〇 **Graduation Requirements**

1. The credits required for graduation shall be no less than 128 credits.

2. In order to be recognized for completion of each year in the undergraduate program, students shall earn no less than the credits calculated according to '(graduation credits/study duration) × year level.'

3. The graduation requirements for the undergraduate program are as follows.

 a. Those who have completed the prescribed registration(payment) ,designated curriculum

 b. Those with a cumulative GPA of 2.0 or higher

 c. Those who meet the graduation requirements set by each department (major)

〇 **Revocation of Degree**

 In the event it is found that a student received a degree conferment through cheating or a student who recei

ved an honorary doctorate has impaired the honor of the degree, the Rector may revoke the conferment of t

he degree.

7. ETC

Other things are followed as written in the Student regulation which is approved by Committee from Ajou University in Korea and other rules in Ajou University.

8. Contacts

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Subjects in 1ˢᵗ semester in 2020-2021

Department	1st Semester			2nd Semester		
	Subject	Credits	Hours	Subject	Credits	Hours
Architecture	Computer programming(python)	3	3	Introduction to digital design	3	3
	English Communication	3	3	IT English	3	3
	Beginning Korean language 1	3	3	Beginning Korean language 2	3	3
	Calculus 1	3	3	Calculus 2	3	3
	Physics 1	3	3	Physics 2	3	3
	Physics Lab 1	1	2	Physics Lab 2	1	2
	Introduction to architectural design1	3	3	Introduction to architectural design1	3	3
Civil Systems Engineering	Computer programing(python)	3	3	IT English	3	3
	English Communication	3	3	Beginning Korean language 2	3	3
	Beginning Korean language 1	3	3	Calculus 2	3	3
	Calculus 1	3	3	Physics 2	3	3
	Physics 1	3	3	Physics Lab 2	3	3
	Physics Lab 1	1	2	An introduction to Creative Design	1	2
	Applied Mechanics	3	3	Earthquake Resistant Engineering	3	3
Electrical & Computer Engineering	Computer Programming: Python	3	3	General chemistry	3	3
	English Communication	3	3	IT English	3	3
	Beginning Korean language 1	3	3	Beginning Korean language 2	3	3
	Calculus 1	3	3	Calculus 2	3	3
	Physics 1	3	3	Physics 2	3	3
	Physics Lab 1	1	2	Physics Lab 2	1	2
	Circuit Theory	3	3	C Language	3	3

Course Description of 1st semester in 2020-2021

Subjects	Category	Credits	Course Description
English Communication	RQ	3	The purpose of this course is to promote students' everyday conversation skills in various situations. Course participants will gain confidence and develop their communication abilities by practicing key expressions and conversation strategies. Pronunciation, intonation and stress patterns are also emphasized to improve students' speaking skills. Lessons include different types of activities and group works requiring collaboration.
Beginning Korean language 1	RQ	3	This course is an academic-focused Korean language course for advanced Korean learners who aims to study at university or graduate schools in Korea. This course focuses on reading and writing with consideration of academic performance. In order to understand the contents of Korean language textbooks of elective or major classes, there will be activities to learn the characteristics and structures of various text genres. To enhance their efficient reading ability, it will also provide times of reading various forms and strategic learning. Writing activities of each genre will lay the foundation for academic level writing.
Physics 1	RQ	3	Progressofmodernsciencesandtechnologyisveryfast,andagoodunderstandingofbasicsciencessuchasphysicsbecomesmoreimportantthanever.Physicsisabasisforallnaturalsciencesandengineeringanditsfundamentalconceptsandknowledgearestillusefulasbefore. Thiscourseprovidesbasicknowledgeaboutmechanics,suchaslinearmotion,linearmomentum,force,rotationalmotion,angularmomentum,torque,static equilibrium,universalgravitation,fluiddynamics,oscillations,andwaves.ThiscourseisfollowedbyPhysics2whichteachesmainlyelectromagnetismandlight.PhysicsLaboratory1supplementsthiscoursebydealingwiththerelatedexperiments.Thiscourseinvolvessomecalculusandvectoranalysisformoresophisticatedunderstandingofnaturalphenomena.
Physics Lab 1	RQ	1	ThiscourseshouldbeaccompaniedbyPhysics1coursetobeacompleteset.Inthiscourse,studentsshouldmakeitcertainbyexperimentsthatthecontentsinPhysics1coursecanbeverifiedandbetterunderstood. Thiscourseconsistsoftopicsonmechanicsandwaves.
Calculus 1	RQ	3	Among the basic essentials of calculus, the contents not covered in the high school curriculum are discussed. Mathematical concepts will be well established, which can be used in the future applications of mathematics and engineering.
Computer programing(python)	RQ	3	With the recent emergence of data processing and analysis from programming for scientific calculations, the need for data processing language has increased. Python is known for its easy but powerful language that can be effectively programmed in areas such as web, text, machine learning and graphics. Easily learn the syntax structures required to understand these Python programming languages and develop their skills through a variety of programming. 1. Understands the concept of language 2. Python's Basic Grammar 3. Write various programs using Python
Introduction to architectural design1	RQ	3	This course is a practice-intensive, introductory design studio offered to the first-year undergraduates. Building is the product of luxuriant architectural imagination, which rests on an understanding of the "praxis" of practice, and design studio is a core subject in the curriculum of architectural education. The course is built on diverse entry-level contents that support to gain skills of architectural drawing and presentation as well as fundamental knowledge on the exploratory contexts of architectural thoughts in relation to building design practice. All students will be given hands-on in-class assignments and, as a result of the class,

			are expected to better understand principles of building geometry, space layout, and architectural scales, improving their basic design techniques.
Applied Mechanics	RQ	3	The purpose of the course is to introduce students the basic conceptual and quantitive tools for basic sturctural analysis which is used in designing massive civil structures and structural members. Students completing the course are expected to use the equilibrium concept to analyze simple structures.
Circuit Theory	RQ	3	This is the first course about electrical circuits. Basic principles of electrical circuits, such as impedance, frequency response, and transient response are covered. In addition to the analytic methods, Pspice is also covered to understand circuit operations.

* Curriculum

Architecture

Year -Semester	Subjects	Category	Credits
1-1	English Communication	RQ	3
	Beginning Korean language 1	RQ	3
	Physics 1	RQ	3
	Physics Lab 1	RQ	1
	Calculus 1	RQ	3
	Computer programing(python)	RQ	3
	Introduction to architectural design1	RQ	3
1-2	IT English	RQ	3
	Beginning Korean language 2	RQ	3
	Physics 2	RQ	3
	Physics Lab 2	RQ	1
	Calculus 2	RQ	3
	Introduction to digital design	RQ	3
	Introduction to architectural design1	RQ	3
2-1	Business English	RQ	3
	Engineering mathematics A	RQ	3
	Principles of Economics	RQ	3
	Adventure design in architecture	RQ	3
	Theory of structure in architecture 1	RQ	3
	Building structure	EL	3
2-2	Architectural design studio A	RQ	3
	History of western architecture	RQ	3
	Theory of structure in architecture 2	EL	3
	General chemistry 1	RQ	3
	Introduction to Philosophy	RQ	3
	Technical Writing	EL	3
	Statistics research & analysis	RQ	3
3-1	Architectural design studio B	RQ	3
	Reinforced concrete structure	RQ	3
	Architectural environment system	RQ	3
	Contemporary architecture	EL	3
	Building materials	EL	3
	Theory of urban planning	EL	3
3-2	Architectural design studio C	RQ	3
	Building mechanical and electircal system	RQ	3
	Steel structure	RQ	3
	Building construction	RQ	3
	Interior architecture	EL	3
	Architectural landscape	EL	3
4-1	Architectural design studio D	RQ	3
	Building code	RQ	3
	Architectural system design	EL	3
	Project management for construction	EL	3
	History 1	RQ	1
	Beginning Korean language 3	EL	3
4-2	Construction document reading and practice	RQ	2
	Building cost estimation and practice	RQ	3
	Architectural internship	EL	3
	History 2	RQ	1
	Beginning Korean language 4	EL	3

Civil Systems Engineering

Year -Semester	Subjects	Category	Credits
1-1	Beginning Korean language 1	RQ	3
	English Communication	RQ	3
	Calculus 1	RQ	3
	Physics 1	RQ	3
	Physics Lab 1	RQ	1
	Computer programing(python)	RQ	3
	Applied Mechanics	RQ	3
1-2	Beginning Korean language 2	RQ	3
	IT English	RQ	3
	Calculus 2	RQ	3
	Physics 2	RQ	3
	Physics Lab 2	RQ	1
	Earthquake Resistant Engineering	EL	3
	An introduction to Creative Design	EL	3
2-1	Engineering mathematics A	RQ	3
	Principles of Economics	RQ	3
	General chemistry 1	RQ	3
	Computer Aided Design	EL	1
	Fluid Mechanics	EL	3
	Laboratory Experiment in Fluid Mechanics	EL	1
	Business English	RQ	3
	Computer Programming for Science Computation	RQ	3
2-2	Introduction to Philosophy	RQ	3
	General Chemistry 2	RQ	3
	Solid Mechanics	EL	3
	Elementary Surveying	RQ	3
	Surveying Practice	RQ	1
	Design of Hydraulics	RQ	3
	Technical Writing	EL	3
	Laboratory Experiment in Hydraulics	RQ	1
3-1	Statistics and Probability	RQ	3
	Soil Mechanics	RQ	3
	Laboratory Experiment in Soil Mechanics	RQ	1
	Concrete Engineering	EL	3
	Structural Mechanics	RQ	3
	Laboratory Experiment in Structural Mechanics	RQ	1
	Hydrology	RQ	3
	Laboratory Experiment in Hydrology	RQ	1
3-2	Foundation Engineering and Design	EL	3
	Reinforced Concrete Design	RQ	3
	Laboratory Experiment in Reinforced Concrete	RQ	1
	Analysis of Indeterminate Structures Analysis of Indeterminate Structures	EL	3
	Geographic Information System	EL	3
	Geographic Information System Practice	EL	1
	Design of Water and Waste-Water System	EL	3
4-1	Construction Management	EL	3
	Ground Stability Analysis and Design	EL	3
	Prestressed Concrete Design	EL	3
	Matrix Structural Analysis	EL	3

Year-Semester	Subjects	Category	Credits
	Engineering Internship 1	EL	3
	History 1	RQ	1
4-2	Civil Construction Planning	EL	3
	General Construction Design	EL	3
	Tunnel Engineering	EL	3
	Bridge Engineering and Design	EL	3
	Engineering Internship 2	EL	3
	History 2	RQ	1

Electrical & Computer Engineering

Year -Semester	Subjects	Category	Credits
1-1	Beginning Korean language 1	RQ	3
	English Communication	RQ	3
	Calculus 1	RQ	3
	Physics 1	RQ	3
	Physics Lab 1	RQ	1
	Circuit Theory	RQ	3
	Computer Programming: Python	RQ	3
1-2	Beginning Korean language 2	RQ	3
	IT English	RQ	3
	Calculus 2	RQ	3
	Physics 2	RQ	3
	Physics Lab 2	RQ	1
	General chemistry	RQ	3
	C Language	RQ	3
2-1	Engineering mathematics A	RQ	3
	Programming for Electrical Engineering: Java	EL	3
	Electromagnetics	RQ	3
	Logic Circuits	RQ	3
	Signals and Systems	RQ	3
	Basic Electric Circuit Laboratory Fluid Mechanics	RQ	2
	Business English	RQ	3
2-2	Principles of Economics	RQ	3
	Engineering mathematics B	RQ	3
	Data Structure and Algorithm	RQ	3
	Probability and Random Variables	EL	3
	Microwave Engineering	EL	3
	Logic Circuit Laboratory	RQ	2
	Technical Writing	RQ	3
3-1	Introduction to Philosophy	RQ	3
	Communication Systems	RQ	3
	Automatic Control	RQ	3
	Electronic Circuits 1	EL	3
	Computer Network	RQ	3
3-2	Electronic Circuits 2	RQ	3
	RF Circuits	EL	3
	Digital Communication Systems	EL	3
	Computer Architecture	EL	3
	Image Signal Processing	EL	3
	Electronic Circuit Laboratory	RQ	2
4-1	History 1	RQ	1
	Electric Motor Control	EL	3

	Embedded System Design	EL	3
	Artificial Intelligence System	EL	3
	Capstone Design Project 1	RQ	3
	Beginning Korean language 3	RQ	3
4-2	History 2	EL	1
	Numerical analysis	RQ	3
	Concepts of Modern Physics	RQ	3
	Semiconductor Engineering	EL	3
	Power Electronics	EL	3
	Capstone Design Project 2	RQ	3
	Beginning Korean language 4	RQ	1