UNESCO-UNITWIN
OCW/OER INITIATIVE
HANDONG GLOBAL UNIVERSITY

[A-3]COURSE SYLLABUS

1. Course Description (Approximately 100 words)

Drawing geometry is a special section of space geometry and is a part of General Engineering Sciences. The science drawing technique, which teaches drawing, reading, drawing tools and making manuscripts, is called technical drawing.
Drawing geometry is a science fiction trainer.
There is a method of projecting on three dimensions (X, Y, Z) based on the plot geometry.
Drawing geometry involves many aspects of fine arts and techniques.
Drawing geometry arises as a result of the need for human activity.
Although the ancient Greeks had a great deal of culture in the field of fine arts, the theory had not yet come to them. Ancient painters, and especially sculptors, were primarily employed by skill and ability and experience.

2. Course Goals and Objectives (Approximately 100 words)

The aim of the course is to provide students with an idea of the spatial characteristics of space objects in the form of two-dimensional planes in the form of two-dimensional plane in the plane of "3D Geometry and Engineering Graphics", and the logical analysis and generalization of spatial constructive-geometrical structures. and to provide the level of knowledge required by the standard of education in accordance with the profile of the course.
The purpose of the discipline is to master the methods of creating specific graphic models based on the central and orthogonal projection of the space under "Geometry and Engineering Graphics" and to use these graphic models to obtain sufficient knowledge, skills and skill in solving the space and metric issues related to their relationships. to gain possession.

3. Textbook (Title, Author, Publisher, Year of Publication, etc.)

1. M.B.Shah, B.C.Rana «Engineering Drawing», 2009. 568 pages
2. Elliot Gindis «Up and Running with AutoCAD® 2011 2D Drawing and Modeling», 2011. 511 pages.
3. «AutoCAD® 2012 AutoCAD LT® 2012» 2012. 400
4. J.Y.Yodgorov, A.X.Narzullayev «Mashinasozlik chizmachiligi» Darslik.-T.: “O’FMJN”. 2009. – 272 bet

4. Reference

1. T.Rixsiboev “Kompyuter grafikasi” o’quv qo’llanma. T.:2006. -167 bet.
2. Ru” 2004. – 133
3. I.Raxmonov, A.Abduraxmonov «Chizmachilikdan ma’lumotnoma», o’quv qo’llanma, Toshkent-2005 y.
4. «» 2003. – 158

5. Course Requirements and Grades

Course prerequisites:
Students should have the knowledge of "Higher mathematics", "Resistance of materials", " Theoretical mechanics", and "Drawing geometry".
Grading System:
Homework 15%
Design Project 15%
Mid-term Exams 35%
Final Comprehensive Examination 35%
Total 100%
5=86-100%
4=71-85%

6. Course Calendar

Week	Main Content
1	vazifasi. Proeksiyalash usullari. Markaziy va parallel proeksiyalash usullari.
2	pendikulyar bo‘lgan uchta tekislikka proeksiyalash. Oktantlar. Xususiy holatda
3	roeksiyalari. Umumiy va xususiy vaziyatdagi to‘g‘ri chiziqlar. Umumiy vaziyat
4	/ vaziyatdagi to‘g‘ri chiziq. Fales teoremasi. To‘g‘ri chiziq kesmasini nisbatga
5	To‘g‘ri chiziqning izlari. Ikki to‘g‘ri chiziqning o‘zaro joylashuvi.
6	alarda berilishi. Umumiy va xususiy vaziyatdagi tekisliklar. Nuqta va to‘g‘ri ch
7	Tekislikning bosh chiziqlari. Tekislikning eng katta og‘ma chizig‘i.
8	sliknnng izlari. To‘g‘ri chiziqni xususiy vaziyatdagi tekislik bilan kesishgan nuc
9	tekisliklarning o‘zaro kesishgan chizig‘i. To‘g‘ri chiziqni umumiy vaziyatdagi
10	‘zaro kesishgan chizig‘i. To‘g‘ri chiziqni tekislikka perpendikulyarligi. Nuqtada
11	zaro perpendikulyarligi. To‘g‘ri chiziqni tekislikka parallelligi. Ikki tekislikning
12	Ortogonal proeksiyalarni qayta tuzish usullari. Aylantirish usuli.
13	kislikni izlari atrofida aylantirish (Jipslashtirish usuli). Tekis parallel harakat us
14	Proeksiyalar tekisliklarini almashtirish usuli.