Course No.: 50907402Course Name: Geometry
Academic Year: 2017-2018 Time Division:4hr.Theoretical

Course Description(3 credit hours)

Prepare students to learn about new topics geometry axiomatic undefined terms technical terms and some properties consistency independence and completeness and some common notions

Course Intended Outcomes:

After finishing this course the student should be able to:

- Understand the areas topics geometry
- Identify how to determine axiomatic
- some of the elementary of consistency independence and completeness
- some common notions

Course Outline:

Week	Description depends on the Timing table (Theoretical & Practical)
1 10/7-9/29	Basic concepts of Geometry
2 10/14-10/8	Axiomatic system- examples
3 10/21-10/15	Affine plane
4 10/28-10/22	The system of young of fano
5 11/4-10/29	Consistency
6 11/11-11/5	Independence - completeness
7 11/18-11/12	The Geometry
8 11/25-11/19	The geometry before Euclidean
9 12/2-11/26	Define Euclidean system
10 12/9-12/3	Poor of Euclidean system
11 12/16-12/10	Some equivalent of Euclidean axiom
12 12/23-12/17	Hilbert system
13 12/30-12/24	Projective geometry
14 1/6-12/31	Fano axiom
15 1/14-1/7	dezirk axiom
	Holiday
1 2/28-2/21	Harmonic set
2 3/6-2/29	Affine plane geometry
3 3/13-3/7	System of group
4 3/20-3/14	Example and Exercises
5 3/27-3/21	Example and Exercises
6 4/3-3/28	Transformation geometry

7 4/10-4/4	Reflexive property
8 4/17-4/11	Diagonal line
9 4/24-4/18	Example and Exercises
10 5/1-4/25	Congruent
11 5/8-5/2	The relation between of this Transformation
12 5/15-5/9	Non Euclidean geometry
13 5/22-5/16	Hyperbolic geometry
14 5/29-5/23	Example and Exercises
15 6/2-5/30	Example and Exercises

Textbooks:

مفاهيم اساسية في الهندسة تأليف امال المختار- كلية تربية ابن الهيثم –جامعة بغداد

Suggested references:

نضم البديهيات والهندسة عبد الوهاب احمد السراج جامعة صلاح الدين – العراق

Marking:

First semester				**Second semester**				**Final exam**
1st exam	2nd exam	practical	activity	1st exam	2nd exam	practical	activity	
15	15	-	5	15	15	-	5	60

Assignments and/or Projects:

Assignment/Project	**Description**	**Due Date**	**Marking**
homework	homework	During the course	5

Instructor information:

Lecture Room: [Group A,B and C] Time: Sun., Mon. 8:30

Dr. **Majd Hamid** No.: E-Mail:

NOTES:

- Office Hours: Other office hours are available by appointment.
- The content of this syllabus not be changed during the current semester.

Lecturer Signature Chairman Signature