MATH 373 - GEOMETRY I

INSTRUCTOR : Cem Tezer

PRINCIPAL TEXTBOOK : H. S. M. Coxeter, S. L. Greitzer – *Geometry Revisited*

AUXILIARY TEXTBOOKS :

N. Altshiller-Court – *College Geometry*
R. A. Johnson – *Advanced Euclidean Geometry* .

ASSESSMENT : There will be two midterm ($MT1$, $MT2$) examinations and one final (F) examination with 100 points to be awarded in each. The numerical grade NG of the student will be

$$NG = 0.30(MT1 + MT2) + 0.40F \leq 100 \ .$$

MAKE-UP : Albeit **inadvisable except in extreme exigency**, one make-up examination will be offered for the benefit of those who have failed to sit for any one of the examinations. It will resemble the final examination as regards its form and content and take place shortly thereafter.

SCHEDULE

WEEK	DATES	SUBJECTS
1	1st Oct. - 5th Oct.	Triangle : Basic Features
2	8th Oct. - 12th Oct.	Triangle : Computational Aspects
3	15th Oct. - 19th Oct.	Theorems of Menelaus and Ceva
4	22nd Oct. - 26th Oct.	Basic Incidence Theorems
5	29th Oct. - 2nd Nov.	The Circle : A Closer Encounter
6	5th Nov. - 9th Nov.	FIRST MIDTERM EXAMINATION
7	12th Nov. - 16th Nov.	Conic Sections
8	19th Nov. - 23rd Nov.	Euclidean Transformations - 1
9	26th Nov. - 30th Nov.	Euclidean Transformations - 2
10	3rd Dec. - 7th Dec.	Inversion - 1
11	10th Dec. - 14th Dec.	Inversion - 2
12	17th Dec. - 21st Dec.	SECOND MIDTERM EXAMINATION
13	24th Dec. - 28th Dec	Reciprocation - 1
14	31st Dec. - 4th Jan.	Reciprocation - 2