Faculty of Engineering  
Department of Industrial Engineering  
ENGG 1204, Technical Drawing

Instructor: Dr. Anwar Abu-Zarifa  
Office: IT Building, Room: 1413  
Tel: 2821  
Lecture:  
Tue 12:30 – 13:30  
14:00 – 15:00  
We 10:00 – 11:00  

Drawing Practice: see your Section  
eMail: aabuzarifa@iugaza.edu.ps  
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Office Hrs: see my website

Text Book: BASIC OF ENGINEERING DRAWING, A. Abu-Zarifa, IUG.  
Reference Books:  

Grading:  
- Home works 25%  
- Midterm 30%  
- Final exam 45%

Course Description:  
The course provides students with instruction in the fundamentals of drafting using established tools and techniques. Technical Drawing (Engineering graphics) is a visual means to develop ideas and convey designs in a technical format. Technical Drawing is the dominant means to communication among engineers in industry. Technical Drawing and the skills associated are developed early in an engineer’s education and are used repeatedly in successive courses.

Course Objectives:  
Students combine theory and practical skills to produce working drawings and illustrations. Upon successful completion of the course, the student will be able:

- To understand and use the general ideas of graphing designs and tasks.  
- To understand and use the general idea of drawing tools and plates.  
- To complete a variety of drawings.  
- To understand and use the general ideas of dimensions.  
- To understand and use the general ideas of Multiview Projection and Sectional views.

Course Requirements  
- Successful and timely completion of all assigned drawings.  
- Appropriate behavior in the laboratory environment.

Topics:  
- Importance of Technical Drawing  
- Drawing Instruments and Their Uses  
- Geometrical Constructions  
- Multiview Projection of Objects (Orthographic Views)  
- Sectional Views  
- Introduction to CAD (AutoCAD 2010)