Charles H. Dowding  
Civil & Environmental Engineering 295  
Physical Geology for Engineers

Time: T & Th 11:00-12:20  
Office Address: Tech Institute, Room A-120  
Phone: 847-491-4338  
E-mail: c-dowding@northwestern.edu  
Expected enrollment: 10 to 15

COURSE DESCRIPTION: Basic geology for engineers through analysis of aerial photographs to obtain geologic information about natural features of the earth surface & subsurface with emphasis on earth materials, landforms, geological processes, rocks and soils, stereoscopic photographs, and elements of photographs. Laboratory exercises consist of material identification and analysis of aerial photographs and topographic expression.

PREREQUISITES: Sophomore standing or consent of instructor.

TEACHING METHOD: Two lectures and a flexible scheduled laboratory per week.

EVALUATION: Grades for this course will be based upon a mid-term exam (25%), a final exam (40%), laboratory exercises (20%), homework (10%) and participation (5%). All laboratory exercises, and class notebooks must be completed to receive a passing grade.

REQUIRED TEXTBOOKS (ALL 4):


Photographs from Way duplicated with high resolution to permit proper 3D display (Photocopied at Quartet, approximately $30)

Course Handouts (Photocopied at Quartet, approximately $10)

Hamblin, W. & Howard, J. Exercises in Physical Geology, 4th Edition  
Used copies available from ABEbooks for $6.00