

**FALL 2009**  
**GEOL 383.81/PGEOG 701.80**  
**GEOLOGY OF NEW YORK STATE**  
**Saturday – 9:00 a.m. to 12:15 p.m.**

**Instructor:** DR. T MANECAN: [tmanecan@hunter.cuny.edu](mailto:tmanecan@hunter.cuny.edu)  
**Class room:** 1021HN  
**Office:** 1032HN 1-212-772-4351  
**Office hours:** Wednesday, 11 am-12:15 pm or by appointment;

**Required textbook:** Y.W. Isachsen, E. Landing, J.M. Lauber, L.V. Ricard, W.B. Rogers, editors:  
*Geology of New York State: A Simplified Account*, 2<sup>nd</sup> ed. New York State Museum  
ISBN 1-55557-162-x.

**Recommended readings:** USGA Science for a Changing World: Geology of New York City Region- A Preliminary Regional Field Trip Guidebook on internet.

**Attendance and grading policy:**

1. Attendance in classes and trips is mandatory; if you have an important reason to miss a class or a trip you have to inform the instructor to give you the possibility to make up the missed class or trip;
2. Assignments :
  - a. Geologic maps and cross sections of the major geologic units of New York state
  - b. Digital pictures of several outcrops in each visited area; also collect and describe 1-3 rock samples from each field trip and describe it.
  - c. Research program in groups of 3-4 students for the final power point presentation:
    - A. Precambrian in NYS
    - B. Paleozoic in NYS
    - C. Mesozoic in NYS
    - D. Cenozoic in NYS
3. Grading:

Midterm=25%

Final= 25%

Maps and graphics= 15%

Rock collection and explanation= 10%

PowerPoint pictures with explanation= 15 %

Group work participation= 10%
4. Field trips in NYC area will be scheduled after the class: Palisades diabase, Inwood marble, Staten island serpentinite, Orchard Beach migmatite.

TENTATIVE SYLLABUS

Day	Subject	Chapter, pages	homework	Extra reading
08/29/09	INTRODUCTION GEOLOGIC TIME SCALE PLATE TECTONICS	CH 1,2,3	NYS- STRUCTURE, GEOL TIME SCALE,PLATE TECTONICS	
09/05/09	MP TRIP*	Manhattan Prong	PP-PICTURES ROCK COLLECTION	USGS
09/12/09	HH TRIP*	Hudson Highlands	PP-PICTURES ROCK COLLECTION	USGS
09/19/09	CC			
09/26/09	ADIRONDACK MTS HUDSON HIGHLANDS MANHATTAN PRONG**	CH 4, CH 5	MAPS	USGS
10/03/09	HUDSON-MOHAWK, TACONIC MOUNTAINS NORTHERN HIGHLANDS, TUG HILL PLATEAU	CH 6, CH 7	MAPS	USGS
10/10/09	Catskill Mountains trip*	Catskill Mountains	PP-PICTURES ROCK COLLECTION	USGS
10/17/09	ERIE LOWLAND ALLEGANY PLATEAU REVIEW FOR THE MIDTERM	CH 8	MAPS PREMIDTERM QUESTIONS	USGS
10/24/09	MIDTERM	CH 1,2,3,4,5,6,7,8		
10/31/09	NEWARK LOWLANDS ATLANTIC COASTAL PLAINS	CH 9, CH 10	MAPS	USGS
11/07/09	MISSING RECORD, TERTIARY ICE AGE, GLACIAL FEATURES	CH 11, CH 12 CH 13	MAPS	
11/14/09	Long -Island trip Montauk or Caumsett Park*	Long Island	PP-PICTURES SAND - COLLECTION	
11/22/09	Central Park field trip*		PP-PICTURES	
11/28/09	CC			
12/05/09	Poster/power point presentation		1. PROTEROZOIC 2. PALEOZOIC 3. MESOZOIC 4. CENOZOIC	
12/12/09	REVIEW FOR THE FINAL EXAM	CH 9,10,11,12,13	PRE FINAL QUESTIONS	
12/19/09	FINAL EXAM			

\*Date of the scheduled field trips is flexible and can be changed in respect with weather or transportation availability

\*\*On 09/25/09 and 09/26/09 will be the New York State Geologists 81<sup>st</sup> Annual Meeting with trips in Manhattan Prong, Catskill Mountains and Hudson Lowlands . I'll place on Blackboard the schedule of the trips.

### **Hunter College Policy on Academic Honesty**

Hunter College regards acts of academic dishonesty (e.g., plagiarism, cheating on examinations, obtaining unfair advantage, and falsification of records and official documents) as serious offenses against the values of intellectual honesty. The College is committed to enforcing CUNY Policy on Academic Integrity and will pursue cases of academic dishonesty according to the Hunter College Academic Integrity Procedures. Plagiarism, dishonest, or cheating in any portion of the work required for this course will be punished to the full extent allowed according to Hunter College regulations.