NO.	403.333	Subject		Resources Engineering	creatt	1		
Instructor	Hyo-Taek Chon			Homepage: http://enggeolgeochem.snu.ac.kr				
	E-mail: chon@snu.ac.kr			Tel: 02-880-7225				

Subject

Object

No.

465.335

This class covers basic knowledges for geological field works, and natural resources prospecting and development. This class includes field excursions. Students will experience how to distinguish rocks, how to interpret geological structures, and how to perform natural resources prospecting and development in the field.

Field Excursions in

credit

1

Bennett, M.R. et al., 1996, Geology on your doorstep; The role of urban geology in earth heritage conservation: The Geological Society, 268p.

Dixon, D. and Bernor, R.L., 1992, The practical geologist: Simon and Schuster / Fireside, 160p.

Freeman, T., 2004, Environmental geology - laboratory : John Wiley & Sons., 328p.

Hamblin, W.K. and Howard, J.D., 2005, Exercises in Physical Geology: Prentice Hall, 297p.

References

Kehew, A.E., 1995, Geology for engineers & Environmental scientists: Prentice Hall, 574p.

Lisle, R.J., 1988, Geological structures and maps; A practical guide: Pergamon press, 150p.

Owen, C. et al., 2006, Earth lab; Exploring the earth sciences: Thomson, 564p.

Sen, G., 2001, Earth's materials; Minerals and rocks: Prentice Hall, 542p.

Tarbuck, E.J. et al., 2003, Application & Investigations in earth science: Prentice Hall, 347p.

Walker, J.D. and Cohen, H.A., 2007, The geoscience handbook: Americal geological institute, 302p.

		attendance	report	mid	final	-	-	total
F	Evaluation	10%	50%	0%	40%	%	%	100%
		remark						

- lecture room : 38-129

notes

- Lectures: Wednesday 5.5 - 1 (1:00-1:50 pm)

- laboratory: 38-131, 880-7236

	Week	Topics
	1	Understanding and practice of rock forming minerals
	2	Understanding and practice of igneous rocks
	3	Understanding and practice of sedimentary rocks
	4	Understanding and practice of metamorphic rocks
	5	Understanding and practice of geologic structures and geologic map(1)
	6	Understanding and practice of geologic structures and geologic map(2)
	7	Understanding and practice of geologic structures and geologic map(3)
Programs	8	Field excursion
	9	Understanding and practice of metallic ore deposits(1)
	10	holiday
	11	Understanding and practice of metallic ore deposits(2)
	12	Understanding and practice of nonmetallic ore deposits(1)
	13	Understanding and practice of nonmetallic ore deposits(2)
	14	Field excursion in mine
	15	Final Exam