Course Specifications

General Information

Course name	Principles of Catography
Course number	GEOG1306
Faculty	
Department	
Course type	Major Needs
Course level	1
Credit hours (theoretical)	3
Credit hours (practical)	0
Course Prerequisites	

Course Objectives

1 - 1 – To know basics of Cartography science.

2 - 2 – To know dealing with the different maps.

3 - 3 – To know using of mapping tools and equipments

4 - 4 – To study the relationship between maps and landforms

Intended Learning Outcomes

Knowledge and Understanding	* 1 – To find data base includes maps and cartographic knowledge. * 2 – To able students of understanding mapping work and making maps, * 3 – The student will Differentiates between different types of maps. * 4 - To use the map in a good way.
Intellectual Skills	* 1 – Development of students mental abilities in Cartographic sides. * 2 - Development of students mental abilities through dealing with different maps. * 3 – Activating student through using maps. * 4 - Development of students abilities in field surveying working and office working
Professional Skills	* 1 – The student will acquest professional ethics. * 2 – To develop scientific creativity in his job and forming a special character helps him to be the best between his proverbs in the society. * 3 – To develop his own character, and to be ready in field and office workings.
General Skill	* 1 – To find a strong base in different sides of Cartography. * 2 – To realize and understand the fact of Cartography working through dealing with maps. * 3 – To understand facts of groups through working, where he will get best results. * 4 – To learn serious conversation to arrive to all sides of subjects understanding.

Course Contents

1 - Course name: Principles of maps. Weekly hours: 3 hours. No. of term: first term. No. of course deals course: This with maps in different Cartographic sides. It studies definition of maps and classification of maps through the contents and scale. The student studies how to makes and uses maps , so, he learns things about mapping and surveying tools and equipments, measuring distances and areas is very important in this course. The student uses several types of maps, contour maps, Geological maps, maps projections and others.

Teaching and Learning Methods

1 - 1 –Visual and developable lectures.

2 - 2 – Field study inside and out side the university.

3 - 3 - Seminars for activating students.

4 - 4 – making researches in mapping subjects.

5 - 5 – Power points and videos in surveying.

6 - 6 – Activating the own learning through making some orders in mapping.

7 - 7 - Collaborative learning in Applied objects through lectures.

Teaching and Learning Methods for the Disabled Students

1 - no one

Students Assessment

Assessment Method	TIME	MARKS
Half term Exam	mid term	30 Marks
Students attendance and absence	during the term	5 Marks
Activities and fast researches	during the term	5 Marks
Final Exam	End of the course	60 Marks

Books and References

Course note	The student takes note during the term.
Essential books	Abdulatheem Qaddoura Mushtaha (2009): Principles of maps, Al Taleb press, Gaza, Palestine.
Recommended books	1-A Gor, R.: (1999), Surveying and Leveling, 9 Th. ed., Khan publishers, Nai sarak, Delhi, pp. 2-Arora, K. R.: (1998), Surveying , Volume (1), 5 th ed ., Rejnder Kumarjain, Nai Sarak , Delhi , pp. 3-Bannister , S . Raymond and R . Baker : (1992), Surveying 6th. ed. , Longman Scientific and Technical (UK) . 4-Bygott, J.:(1962), An Introduction to Map Work and Particle Geography, 8 Th. Ed, London. 5-Goode's World Atlas: (1960), 10th., 11th., eds., Rand McNally, Chicago 6-Ivan I, Muller and Karl H. Ramsayer: (1974), Introduction to Surveying, Fredrick Ungar Publishing co., New York. 7-Miller, V. C. and M. E. Westerback.: (1979), Interpretation of Topographic Maps. Columbus, Merrill Publishing Company, a Bell and Howell Information Company. 8-Olliver, J . G. and J. Clendinning: (1984),Principles of Surveying, Volume (1), Plane Surveying, 4th ed, Van Nortrand Reinhold (UK) co. Ltd 9- R-Agor: (1999),Surveying and Leveling, 9 th ed. Khanna Publishers, Nai Sarak, Delhi 10-Russell C.Brinker and Warren G.Tayler: (1991),Elementary Surveying3rd, Printing, International Teat Books Co. Pennsylvania. 11-Speaks, P. and Canter, A.H-C: (1994), Map Reading and Interpretation, Longman, London. 12-Steers, J.A.: An Introduction to Study of Map Projections, Landon. 13 - Strahller, A.N., : Hypsometric analysis of Erosional topography, Bull, geo. Soc. American , No. 63
Other References (Periodical, web sites, ... etc.)	not found