

NWFP University of Engineering & Technology Peshawar

CE-317L GIS/RS Application to Civil Engineering

Spring 2011

Lecturer: Engr. Faisal ur Rehman

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1. Objective

The purpose of this course is to learn the basic Usage and Getting Started with ARC GIS. Also student can apply it to Civil Engineering.

2. Books

Text:

ARC GIS 9.3 Tutorials

Reference:

Quantitative Methods and Applications in GIS Fahui Wang

ArcGIS Help

Reference:

ARCGIS 9.3

3. Hourly Schedule of Lectures

Week	Topics	Contact Hours
1	Introduction to ArcGIS	3
2	ARC Map	3
3	ARC Reader	3
4	ARC Catalog	3
5	Spatial Analysis	3
6	Geo-coding	3
7	Geo-processing	3
8	Geo-Statistical Analysis	3
	Mid Term Exam	
9	Survey Analysis	3
10	Editing GIS Features	3
11	Geo-database	3
12	Street Map	3
13	Tracking	3
14	Case Studies	3
15	Mini Project Submission	3
16	Mini Project Presentation	3
	Total Contact Hours	48

Theory

Assignment Schedule:

Assignment # 1	Week 1
Assignment # 2	Week 3
Assignment # 3	Week 5
Assignment # 4	Week 9
Assignment # 5	Week 11
Assignment # 6	Week 13

Quiz Schedule:

Quiz # 1	Week 2
Quiz # 2	Week 4
Quiz # 3	Week 6
Quiz # 4	Week 10
Quiz # 5	Week 12
Quiz # 6	Week 14
+ 3 Surprise Quiz	

Mini Project: *

Project Completion:	Week 15
Project Presentation:	Week 16

Marks

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Assignment	5
Quiz	7
Mini Project	8
Class Participation / Attendance	5
Mid Term Quiz	25
Final Term Viva-Voce	50

Total = 100
