The Hashemite University
Faculty of Natural Resources and Environment
Department of Water Manag & Environ

Course Title

Environmental Impact Assessment (111203424)

Course Meetings:

Lectures: Monday and Wednesday, 12:30 – 2:00

Instructor:

Dr. Mahmoud Abu Al-Laban
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Office Hours:

Sunday	10:00 – 12:00
Monday	11:00 – 12:00
Tuesday	10:00 – 12:00
Tuesday	11:00 – 12:00
Thursday	10:00 – 12:00

Or By Appointment

Course Description

This course is directed to beginning students of environmental impact assessment (EIA). The main focus of this course is on the fundamental principles and 'good' practices of EIA that are common across EIA systems. In recognition that EIA is a subject of interest to many disciplines and persons of varied backgrounds, this course is interdisciplinary in perspective and attempts to balance discussion on physical and human environments. The course is organized in four parts. In each part a number of principles and procedures are introduced, including case study examples and select methods and techniques. Part I introduces the basic principles of EIA, including the aims and objectives of EIA and an overview of the generic EIA process. Part II examines the nature of environmental impacts and common methods and techniques used to support EIA practice. Part III focuses on EIA principles and procedures, from screening, scoping, impact prediction, and evaluation to post-decision analysis. Part IV introduces two key areas of EIA that are under rapid transition – cumulative effects assessment and strategic environmental assessment – and demonstrates linkages between the two and linkages with project-based EIA.

Course Outline

Part I: EIA Principles
1. Aims and Objectives of EIA

Part II: Foundations of EIA
2. Nature and Classification of Environmental Impacts
3. Methods Supporting EIA Practice

Part III: EIA Practice
4. Screening Procedures
5. Scoping Procedures
6. Predicting Environmental Impacts
7. Determining Impact Significance
8. Managing Project Impacts
9. Post-Decision Monitoring

Part IV: Advancing Principles and Practices in EIA
10. Cumulative Environmental Effects
11. Strategic Environmental Assessment

Grading

First Exam	30%
Second Exam	30%
Final Exam	40%

Textbook

Noble B.F. (2006): Introduction to Environmental Impact Assessment: A Guide to Principles and Practices

References

Morris P. and Therivel R. (editors) (2009): Methods of Environmental Impact Assessment
Morgan R.K. (2002): Environmental Impact Assessment: A Methodological Perspective
James D. (1994): The Application of Economic Techniques in Environmental Impact Assessment
Friedman F.B. (2006): Practical Guide to Environmental Management
Barrow C.J. (1999): Environmental Management: Principles and Practice
Buchholz R.A. (1998): Principles of Environmental Management: The Greening of Business
Wilson G.A. and Bryant R.L. (1997): Environmental Management: New Directions for the Twenty-First Century
Ruhl J.B., Kraft S.E., and Lant C.L. (2007): The Law and Policy of Ecosystem Services
Speth J.G. (2004): Red Sky at Morning: America and the Crisis of the Global Environment

Good Luck