



North South University
Department of Civil and Environmental Engineering (DCEE)
CEE 415: Socio-economic Aspects of Development Projects,
Summer 2018

Course Syllabus

INSTRUCTOR: Md Shoaib Chowdhury (SbC), Ph.D., P.E., F.ASCE
Associate Professor, CEED
Room No: SAC 732
Tel.: +880-2-55668200 Ext: 6231
E-mail: shoaib.chowdhury@northsouth.edu

CLASS HOURS: ST 01:00 PM - 02:30 PM (Room # SAC 210)

OFFICE HOURS: ST02:30 PM – 04:30 PM or by appointment

COURSE DESCRIPTION (3.0 Credit Hours):

Paradigms of development and sustainable development. Society - development - environmental linkage. Socio-economic Indicators of development. Participatory planning of development Projects. Seeking societal feedback: rapid rural appraisal (RRA), participatory rural appraisal (PRA), focus group discussion (FGD), key person interview etc. Involving the community: community based operation and maintenance of projects. Gender and institutional issues. Pre-requisite: ENV 373

COURSE OBJECTIVES: The objectives of this course are to:

- Introduce the paradigms of development and sustainable development
- Provide students with an understanding of the socio-economic indicators of development, and the main methods and tools used in the assessment of socio-economic impacts
- Explain the purpose and process of public participation in the development projects and demonstrates the tools and techniques used in the public participation process
- Prepare students for oral presentation and written report on a socio-economic topic pertaining to development/Engineering projects

COURSE OUTCOMES (COs): Upon successful completion of this course, the students will be able to:

- Understand key socioeconomic and environmental issues and dimensions related to development/engineering projects (CO1)
- Understand and apply the main methods and tools for assessing socio-economic impacts (CO2)
- Understand the public participation process and utilize the tools and techniques to conduct public participation meetings (CO3)
- Prepare oral presentation and written report on a socio-economic topic pertaining to development/Engineering projects (CO4)

TEXTBOOK:

Vanclay (2015) Social Impact Assessment – Guidance for Assessing and Managing the impacts of Projects, International Association for Impact Assessment (As required, additional course materials will be made available at the university common folder “Resource”)

REFERENCES/READINGS:

1. Development Project Proforma/Proposal (DPP) Manual (Parts 1 and 2), General Economics Division (GED), Planning Commission, Ministry of Planning, Government of the People's Republic of Bangladesh, March 2014
2. Salim Momtaz, "Social Impact Assessment in Bangladesh: A Critical Review of the Recent Developments".
3. Draft Environmental Impact Assessment, Padma Multipurpose Bridge Project, the Bangladesh Bridge Authority (BBA), July 2010
4. Environmental Impact Assessment for the Dhaka Mass Rapid Transit Development Project, Dhaka Mass Transit Company (NKDM), November, 2015
5. Environmental Impact Assessment, "Feasibility Study, Detailed Design and Tendering Services for Construction of Dual Gauge Double Rail Line and Conversion of existing Rail Line into Dual Gauge between Akhaura and Laksam", Bangladesh Railway, Ministry of Railways, March 2015

COURSE CONTENTS:

- Paradigms of development and sustainable development.
- Society - development – environmental linkage.
- Socio-economic Indicators of development.
- Participatory planning of development Projects.
- Seeking societal feedback: rapid rural appraisal (RRA), participatory rural appraisal (PRA), focus group discussion (FGD), key person interview etc.
- Involving the community: community based operation and maintenance of projects.
- Gender and institutional issues.

AVAILABILITY OF COURSE MATERIALS:

Selected lecture notes and reading materials will be made available at the university common folder "Resource". Students are advised to check the folder at regular intervals.

EVALUATION:	*Class participation and attendance	15%
	**Group Assignments/Case Studies (3*15)	45%
	Midterm Exam	20%
	Final Exam (Comprehensive)	20%

*Attendance grading policy

Number of lectures attended	Score	Number of lectures attended	Score
23 or more	15%	17	9%
22	14%	16	8%
21	13%	15	7%
20	12%	14	6%
19	11%	13	5%
18	10%	12 or less	0%

**A total of three case studies will be assigned; Requirements for each case study: a four-page (double spaced MS-Word text document) report and a group presentation (approximately 20 minutes; no more than 30 slides) (7.5+7.5 = 15%); Report must be submitted on the due date. All group members must present;

EXAM POLICY:

The format of the exams will be based on a combination of objective (i.e., multiple choice and true/false) and descriptive type questions as well as analytical problems depending on the nature of the contents. Students are thus advised to prepare for any type of questions. NO MAKE UP MID-TERM

OR FINAL EXAM WILL BE ARRANGED UNLESS AN ABSOLUTELY UNAVOIDABLE VALID REASON FOR ABSENCE IS FOUND. For such unavoidable circumstances, written explanation of the situation must be submitted before the exam. If the mid-term exam cannot be held on the due date, it will be automatically shifted to the very next available class, unless otherwise announced.

EXAM CONTENTS:

Exam contents will be provided in the class. No excuse will be granted simply because someone was absent at previous class and did not know the exam contents.

GRADING POLICY:

Generally, NSU grading policy will be followed. However, minor deviation is still possible depending on the situation.

CODE OF CONDUCT:

It is highly requested to maintain discipline in the class like not to be late, refrain from making noise during lecture time, not to leave the class early. Especially, adopting unfair means in the exams will be considered as a serious crime and the student shall be placed to the university disciplinary committee. Evidence of copying assignments shall be seriously punished as well. Regarding attendance, if someone is too late in the class or arrives after the attendance is given he/she will not get attendance in that class.

LECTURE SCHEDULE:

* One Day = 1.5 lecture hours, Total 24 lectures = 36 lecture hours

Day*	Outcome/ Material Covered	Activity
1	Course Overview & Introduction	Discussion
2-8	Paradigms of development and sustainable development; Society - development - environmental linkage; Socio-economic Indicators of development;	Lecture; Case Study-1 Assigned
9-10	Participatory planning of development Projects;	Lecture; Case Study-2 Assigned
11-12	Presentation (Case Study-1)	Report (Case Study-1) due
13	Midterm Exam	Exam
14-16	Seeking societal feedback: rapid rural appraisal (RRA), participatory rural appraisal (PRA), focus group discussion (FGD), key person interview etc;	Lecture
17	Involving the community: community based operation and maintenance of projects.	Lecture
18-19	Presentation (Case Study-2)	Report (Case Study-2) due
20-21	Gender and institutional issues.	Lecture; Case Study-3 Assigned
22	Final Exam Review	Lecture/Discussion
23-24	Presentation (Case Study-3)	Report (Case Study-3) due
Final Exam (As per schedule declared by NSU)		