



### Principles of Environmental Impact Assessment

Course Code	Course Num.	Course Name	Credit Hours	Lec	Lab	Tut	Prerequisites
BIO	252	Principles of Environmental Impact Assessment	2	1	2	0	BIO251

#### Objectives:

After successful completion of this course, students will be able to:

- Understand principles, process, and necessary tools and techniques for environmental impact assessment, mitigation and monitoring.
- Evaluate impacts from project's activities on natural resources, ecological system and community

#### Syllabus:

- Introduction (Background of EIA, SEA, HIA)
- The steps and EIA processes
- Acts, laws, and regulations
- Assessment of impact on ecosystem dimension (Terrestrial ecosystem)
- Assessment of impact on ecosystem dimension (Aquatic ecosystem)
- Assessment of impact on physical environmental dimension (soil and land use)
- Assessment of impact on physical environmental dimension (water resource and air)
- Assessment of Quality of life dimension (health and socio-economic)
- Assessment of Quality of life dimension (health and socio-economic)
- Public participation and public hearing in EIA process
- Mitigation and monitoring
- Conclusion and students' presentation

#### References:

- Eccleston HC. Environmental Impact Statements. Canada: John Wiley & Sons, Inc.; (2000). ISBN-13: 978-0471358688.
- Lee N, George C, editors. Environmental Assessment in Developing and Transitional Countries - Principles, Methods & Practice. (2000). ISBN-13: 978-0471985570.

