



**COURSE OUTLINE**

<b>Name of course</b>		<b>ENVIRONMENTAL IMPACT ASSESSMENT</b>	
<b>Lector</b>		e-mail:	
<b>Seminar Instructor</b>		e-mail:	
Week 1	<b>Topic 1 Understanding Environment Management</b>	Lecture, hours	Seminar, hours
	<ul style="list-style-type: none"> <li>✓ The concept of environmental management</li> <li>✓ The importance of environmental management</li> <li>✓ Approaches on environmental management</li> <li>✓ Environmental management and sustainability</li> <li>✓ EIA as a tool for environmental management</li> </ul>	1.5	1.5
Week 2	<b>Topic 2 The fundamentals of Environmental Impact Assessment (EIA)</b>	Lecture, hours	Seminar, hours
	<ul style="list-style-type: none"> <li>✓ The basic concept, principles and objectives of EIA</li> <li>✓ The historical development of EIA</li> <li>✓ Environmental risk assessment</li> <li>✓ Environmental risk assessment methodology</li> </ul>	1.5	1.5
Week 3	<b>Topic 3 Preparation of Environment Impact Assessment (EIA)</b>	Lecture, hours	Seminar, hours
	<ul style="list-style-type: none"> <li>✓ Preparation for EIA</li> <li>✓ Steps for conducting EIA</li> </ul>	1.5	1.5
Week 4	<b>Topic 4 Steps for Conducting EIA: Screening</b>	Lecture, hours	Seminar, hours
	<ul style="list-style-type: none"> <li>✓ Overview screening process</li> <li>✓ Objective of screening process</li> <li>✓ Responsibilities in screening process</li> <li>✓ Type in screening process</li> </ul>	1.5	1.5
Week 5	<b>Topic 5 Steps for Conducting EIA: Scoping</b>	Lecture, hours	Seminar, hours
	<ul style="list-style-type: none"> <li>✓ Overview Scoping process</li> <li>✓ Objective of Scoping</li> <li>✓ Type in Scoping process</li> </ul>	1.5	1.5
Week 6	<b>Topic 6 Steps for conducting EIA: Consideration of alternatives</b>	Lecture, hours	Seminar, hours
	<ul style="list-style-type: none"> <li>✓ Overview Consideration of alternative</li> <li>✓ The important of consideration of alternative</li> <li>✓ The practice consideration of alternative</li> </ul>	1.5	1.5
Week 7	<b>Topic 7 Methodologies and Approaches for EIA</b>	Lecture, hours	Seminar, hours
	<ul style="list-style-type: none"> <li>✓ Methodology selection criteria</li> <li>✓ Methods for impact identification</li> <li>✓ Methods for impact prediction</li> </ul>	1.5	1.5
Week 8	<b>Topic 8 Developing Environment Impact Assessment (EIA) Report</b>	Lecture, hours	Seminar, hours
	<ul style="list-style-type: none"> <li>✓ Steps in drafting EIA report</li> <li>✓ The contents of EIA report</li> <li>✓ The criteria for a good EIA report</li> <li>✓ Reviewing and evaluating EIA report</li> </ul>	1.5	1.5
Week 9	<b>Topic 9 Reviewing Environment Impact Assessment (EIA) Report</b>	Lecture, hours	Seminar, hours
	<ul style="list-style-type: none"> <li>✓ Primary Goals</li> <li>✓ Stages in reviewing EIA stages</li> </ul>	1.5	1.5



Week 10	<b>Topic 10 Case studies in a specific sector: Mining</b>	Lecture, hours	Seminar, hours
	<ul style="list-style-type: none"> <li>✓ Case analysis</li> <li>✓ Identification &amp; matrix development</li> <li>✓ Strategic proposal formulation</li> <li>✓ Project approval strategies</li> </ul>	0.5	2.5
Week 11	<b>Topic 11 Case studies in a specific sector: Construction</b>	Lecture, hours	Seminar, hours
	<ul style="list-style-type: none"> <li>✓ Strength &amp; limitation multicriteria analysis</li> <li>✓ Trade off in EIA</li> <li>✓ Understanding stakeholder perception</li> <li>✓ Evaluate EIA processes &amp; stakeholder engagement</li> </ul>	0.5	2.5
Week 12	<b>Topic 12 Case studies in various contexts : Textile &amp; Garment Sector</b>	Lecture, hours	Seminar, hours
	<ul style="list-style-type: none"> <li>✓ Comprehensive understanding EIA mechanisms</li> <li>✓ Critical analysis of Environmental Impacts</li> <li>✓ Evaluation of EIA systems</li> </ul>	0.5	2.5
Week 13	<b>Topic 13 Case studies in various contexts : “Sustainable Energy” Case Study</b>	Lecture, hours	Seminar, hours
	<ul style="list-style-type: none"> <li>✓ Gender Perspectives in EIA</li> <li>✓ Develop EIA report</li> </ul>	0.5	2.5

#### RECOMMENDED SOURCES

**Compulsory literature:**

**Rathi, A. K. A. (2021). *Handbook of environmental impact assessment: Concepts and practice*. Cambridge Scholars Publishing.**

**Suggested reading:**

1. Hanna, K. (Ed.). (2022). *Routledge handbook of environmental impact assessment*. Routledge.
2. Mair, J., Chien, P. M., Kelly, S. J., & Derrington, S. (2023). *Social impacts of mega-events: A systematic narrative review and research agenda*. *Journal of Sustainable Tourism*, 31(2), 538-560.
3. Glasson J, Therivel R. 2019. *Introduction to Environmental Impact Assessment*. 5th ed. London: Routledge

**Selected internet sources:**

1. G., Rolfe, J., Lockie, S., and Timmer, V. (2007), "Assessing social and economic impacts associated with changes in the coal mining industry in the Bowen Basin, Queensland, Australia", *Management of Environmental Quality*, Vol. 18 No. 2, pp. 211-228. <https://doi.org/10.1108/14777830710725867>
2. Jain, R. (2015). *Environmental impact of mining and mineral processing: management, monitoring, and audit strategies*. Butterworth-Heinemann.
3. Sengupta, M. (2021). *Environmental impacts of mining: monitoring, restoration, and control*. CRC Press.
4. Byron, H. J., Treweek, J. R., Sheate, W. R., & Thompson, S. (2000). *Road developments in the UK: an analysis of ecological assessment in environmental impact statements produced between 1993 and 1997*. *Journal of Environmental Planning and Management*, 43(1), 71-97.
5. Geneletti, D. (2019), *Multicriteria Analysis for Environmental Decision-Making*, London: Anthem Press
6. Glucker, A.N., P.P.J. Driessen, A. Kolhoff and H.A.C. Runhaar (2013), *Public participation in environmental impact assessment: why, who, and how?* *Environmental Impact Assessment Review*, 43: 104–111. <https://doi.org/10.1016/j.eiar.2013.06.003>
7. REMA (2009). *Sector guidelines for environmental impact assessment (EIA) for roads development projects in Rwanda*, Rwanda Environment Management Authority.
8. IRENA (2020) *Wind Energy. A Gender Perspective*.
9. UNEP (2020). *Guidelines for Assimilating Gender in Integrated Environment Assessments (IEA)*. <https://wedocs.unep.org/20.500.11822/22346>



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10. Kolhoff, A.J. (1996) *Integrating gender assessment study into environmental impact assessment, Project Appraisal*, 11:4, 261266, DOI: 10.1080/02688867.1996.9727553
11. Glazener, A., Sanchez, K., Ramani, T., Zietsman, J., Nieuwenhuijsen, M. J., Mindell, J. S., ... & Khreis, H. (2021). *Fourteen pathways between urban transportation and health: A conceptual model and literature review. Journal of transport & health*, 21, 101070.
12. Arnold, L. and Hanna, K. (2017). *Best Practices in Environmental Assessment: Case studies and application to mining. Canadian International Resources and Development Institute (CIRDI) Report 2017-00*
13. Harris, S., Martin, M., & Diener, D. (2021). *Circularity for circularity's sake? Scoping review of assessment methods for environmental performance in the circular economy. Sustainable Production and Consumption*, 26, 172-186.

#### ASSESSMENT CRITERIA

Assignments <ul style="list-style-type: none"> <li>• Group</li> <li>• Individual</li> <li>• Quiz</li> </ul>	Maximum 50 points
Mid-term and Final Exam	Maximum 50 points



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