

Lecture Plan		
Name of the College: Government College of Arts, Science and Commerce. Sanquelim- Goa		
Name of Faculty:	Subject: Zoology	
Paper code: ZOO 322 ENVIRONMENTAL IMPACT ASSESSMENT	Program: T.Y. BSc	Division: A
Academic year: 2025- 2026	Semester:VI	Total Lectures: 30 (15 Practicals/ Labs)
<p>Course Objectives: 1. Acquaint the learners with an understanding and appreciation of impacts on the environment of developmental activities.</p> <p>2. Familiarize with the impact appraisal methods and mitigation approach relevant to our country.</p> <p>3. Understand the working of different organizations / groups involved in EIA.</p> <p>4. Invest in future environment-friendly citizenry.</p>		

Expected Course Outcome: At the end of this course, students will be able to: 1. Understand relevance of EIA to India’s fast pace of development. 2. Acquire applied knowledge of EIA and contribute effectively to appraisal of developmental projects. 3. Gain hands-on experience in conducting environmental risk assessments. 4. Appreciate EIA proceedings.							
Student Learning Outcome:							
Month	Lecture From	Lecture To	No. of Practical allotted	Topic, Subtopic to be covered	Exercise/ Assignment	ICT Tools	Reference books
December	01-12-2025	06-12-2025	01	Measuring the sound levels in control and noisy sites especially during the festive season using portable digital Sound Level Meter/ Decibel Meters. The sound levels shall be compared with prescribed dB level limits			1. B. Marriott, Environmental impact assessment: a Practical Guide, McGraw-Hill, 1997. 2. C. H. Eccleston, Environmental Impact Assessment: A Guide to Best

							Professional Practices, CBS Publications, New Delhi, 2011. 3. G. Colombo, Environmental Impact Assessment, Springer, New York, 1992.
December	08-12-2025	13-12-2025	01	Measuring the wind Speed and Direction using Portable Anemometer.		PPT	

Decem ber	15-12-2025	20-12-2025	01	To quantify SPM (Surface Particulate Matter) using Wash Off method on Leaves of any three road side trees.		PPT	

January	02-01-2026	03-01-2026	01	Testing water for Hardness, pH, TDS, and E. coli.		PPT	

January	05-01-2025	10-01-2025	01	Preparing an inventory of local tree Species for Green Belt Plantation in the following sectors. <ul style="list-style-type: none">• Mining		PPT	
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January	12-01-2025	17-01-2025	01	Preparing an inventory of local tree Species for Green Belt Plantation in the following sectors. Common Municipal Solid Waste Treatment Facility		PPT	
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January	19-01-2026	24-01-2026	01	Calculating Density, Frequency & Abundance of flora in a plot using Quadrata sampling (For assessment during examination, compiled data be provided).		PPT	
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January	27-01-2026	31-01-2025	01	Determining of Important Value Index (IVI) of different plant species in a forest /garden plot		PPT	
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February	02-02-2026	07-02-2026	01	Prepare a Concise Wildlife Conservation Plan for any two IWPA Schedule I mammalian species found in Goa.		PPT	.
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February	09-02-2026	14-02-2026	01	Prepare a Concise Wildlife Conservation Plan for any two IWPA Schedule I mammalian species found in Goa.			
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February	16-02-2026	21-02-2026	01	Critical analysis of EIA Report of any B1 category Project from any sector (Report can be accessed from public domain).		PPT	
February	23-02-2026	28-02-2026	01	Critical analysis of EIA Report of any B1 category Project from any sector (Report can be accessed from public domain).		PPT	

March	02-03-2026	07-03-2026	01	Visit to any NABET accredited EIA consultancy firm in Goa/ to get acquainted with EIA process and submission of report (in absence of EIA Consultancy firm, a Virtual session be organised).		PPT	
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March	09-03-2026	14-03-2026	01	Visit to any NABET accredited EIA consultancy firm in Goa/ to get acquainted with EIA process and submission of report (in absence of EIA Consultancy firm, a Virtual session be organised).		PPT	
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March	16-03-2026	21-03-2026	01	For any Repeat or Practice Practicals		PPT	
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