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environmental

**Table 2. ESM Graduate Learning Outcomes.** Four ESM learning goals and their outcomes, assessment methods, and how they relate to the campus-wide learning outcomes.

ESM Graduate Learning Goals (Degree programs applicable)	Desired Outcomes	Assessment methods and Procedures: Courses to be evaluated for each LO, rotating through the courses	Campus-wide learning outcomes pertinent to ESM learning goals (as applied to graduate programs)
<p>All graduates of ESM graduate programs have an integrated understanding of environmental systems that acknowledges the fundamentals and interactions among different disciplinary perspectives.</p>	<p>Students will be able to identify and describe the fundamentals and interactions of physical, ecological, and management processes, in environmental systems.</p>	<p>ESM 510 (Env Justice), 516, 535, 583, 585, 588,</p>	<p><b>Disciplinary and/or Professional Expertise:</b> Students will gain mastery in a defined body of knowledge through attainment of objectives and completion of their graduate degree. And <b>Sustainability:</b> Students will identify, act on, and evaluate their professional and personal actions with the knowledge and appreciation of interconnections among economic, environmental, and social perspectives in order to create a more sustainable future.</p>
<p>All graduates of ESM graduate programs can determine, demonstrate, and justify research designs appropriate for a given study.</p>	<p>Students will be able to identify research questions, develop a study design appropriate for the question, and conduct data analysis required to answer the research question.</p>	<p>ESM 554, 566, 567, oral defense of proposal or thesis, project or thesis write up</p>	<p><b>Disciplinary and/or Professional Expertise:</b> Students will gain mastery in a defined body of knowledge through attainment of their and completion of their major. <b>Creative and Critical Thinking:</b> Students will develop the disposition and skills to strategize, gather, organize, create, refine, analyze,</p>

			and evaluate the credibility of relevant information and ideas.
<p>All graduates of ESM graduate programs can:</p> <ul style="list-style-type: none"> <li>Organize and manage project, including personnel, budgets, and logistics as appropriate</li> <li>Communicate and interact with stakeholders</li> </ul>	<p>Students will be able to independently complete a graduate thesis or non-thesis project and communicate/disseminate their findings with appropriate audiences.</p>	<p>ESM 551, &amp; practicum course; ESM 555, 556, 557; proportion of students who present at stakeholder meetings; project or thesis write up</p>	<p><b>Communication:</b> Students will communicate effectively in a range of social, academic, and professional contexts using a variety of means, including written, oral, numeric/quantitative, graphic, and visual modes of communication using appropriate technologies. Also</p> <p><b>Engagement:</b> Students will engage in learning that is based on reciprocal and mutually beneficial relationships, and through this engagement will apply theory and skills in diverse venues, linking the conceptual to the practical. And</p> <p><b>Sustainability, and Diversity:</b> Student will recognize and understand the rich and complex ways that group and individual inequalities and interactions impact self and society.</p>
<p>PSM program can translate and apply their environmental science and management projects to professional and managerial settings.</p>	<p>Students will have experience with:</p> <ul style="list-style-type: none"> <li>Project management</li> <li>Regulations, Policies and Laws</li> <li>Communications</li> <li>Professional ethics,</li> </ul> <p>and can apply those experiences to environmental science projects.</p>	<p>Grades in PLUS courses; community partner evaluation; oral defense of proposal, project write up</p>	<p><b>Sustainability:</b> Students will identify, act on, and evaluate their professional and personal actions with the knowledge and appreciation of interconnections among economic, environmental, and social perspectives in</p>

			<p>order to create a more sustainable future.</p> <p><b>Ethics and Social Responsibility:</b> Students will develop ethical and social responsibility to others, will understand issues from a variety of cultural perspectives, will collaborate with others to address ethical and social issues in a sustainable manner, and will increase self-awareness.</p>
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