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Earth Sciences : Environmental Science and Engineering

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Critical Skills for Environmental Professionals

Putting Knowledge into Practice

- Presents real-world examples of relevant environmental issues to engage students and help them apply the various skills and ways of thinking to real issues
- Engaging exercises stimulate student interest across a range of academic levels, increase student confidence in their skills and give them practice in problem-solving to match their preparedness
- Focuses on learning outcomes, skills and ways of knowing, filling a critical gap by teaching students skills and approaches necessary for success in environmental science disciplines

This textbook focuses on a set of skills-based learning outcomes common among undergraduate environmental programs. It covers critical scientific skills and ways of thinking that bridge the gap between the knowledge-based content of introductory environmental textbooks and the professional skills students of the environment need to succeed in both their academic programs and professional careers. This emphasis on skills is gaining more traction among academic programs across the country as they shift focus from knowledge delivery to learning outcomes and professional competencies. The book features clear methodological frameworks, engaging practice exercises, and a range of assessment case studies suitable for use across academic levels. For introductory levels, this text uses guided practice exercises to expose students to the skills they will need to master. At the capstone level, this text allows students to apply the knowledge they have gained to real-world issues and to evaluate their competency in key programmatic learning outcomes.

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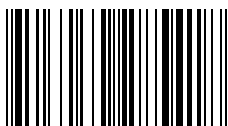
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