

**Western Dakota Technical Institute  
800 Mickelson Drive  
Rapid City, SD 57703-4018**

**Master Syllabus**

**Course Number:** EET 255  
**Course Name:** Introduction to Geomorphology  
**Credits:** 3  
**Contact Hours:** 2 Lecture; 2 Lab

**Course Description:** In this introductory geomorphology course, students will study how stream processes shape landforms. Emphasis is placed on a basic understanding of geomorphic processes. Relationships between properties of earth materials and the forces applied to them by gravity, wind, ice, water, waves, and humans also will be explored. Lectures will address the conceptual basis of geomorphology, while the laboratory exercises will combine interpretation of aerial photographs and experiments on the water table with other hands-on activities that are both practical and empirical.

**Prerequisites:** EET 103, EET 106, EET 253

**Textbooks:** <http://bookstore.wdt.edu>

**Materials:** Notebook or notepaper, pencil and/or pen, calculator, laptop with wireless connection.

**Student Learning Outcomes:**

- Explain how running water shapes and modifies landforms
- Classify the stream processes that drive sediment erosion, transport, and deposition
- Evaluate the effects of climate, geology, and human activity on river channels
- Demonstrate their ability to collect, compile, analyze data, and summarize results

**Assessment:** Students' analytical skills, technology skills, teamwork techniques, employability, and communication skills will be assessed throughout this course.

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