

Online Learning: What's **Current**? Where Are We Heading?

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Online Learning: **Current**

- Online learning currently reaches a large audience of learners of all ages
 - Primary and secondary school students
 - Higher education students
 - Traditional 18-22 year olds
 - Non-traditional students
 - Casual learners
 - Academic
 - Non-academic pursuits



Online Learning: Current

The screenshot shows a Moodle LMS interface for a course titled "Gravel Road Maintenance and Design" at the University of Minnesota. The page features a dark blue header with the university logo and name. Below the header, the course title is displayed in a yellow banner. The main content area is divided into several sections: "Gravel Road Maintenance and Design" with a large image of a gravel road, "Spelling pattern" with a list of links, "How to Get Around in this Course Site" with a list of links, "Course Information" with a list of links, and "Communication Tools" with a list of links. The left sidebar contains navigation links such as "Contacts", "Moodle Help", "Section links", "Settings", "My profile intro", and "My profile intro". The right sidebar contains navigation links such as "Navigation", "Gravel Roads Glossary", "motor grader", and "Activities".

UNIVERSITY OF MINNESOTA
Driven to Discover

Gravel Road Maintenance and Design

moodle 2

Gravel Road Maintenance and Design

Course created by the Minnesota Local Road Research Board (MLRRB) in partnership with the Center for Transportation Studies at the University of Minnesota.

Spelling pattern

- Minnesota Local Road Research Board
- Minnesota Department of Transportation
- Minnesota Highway Administration

How to Get Around in this Course Site

- [Technical Requirements](#)
- [Navigation and Course Site](#)

Course Information

- [Introduction Message Page Link](#)
- [Home Course Overview & Requirements](#)
- [Home Course Overview - All Sections](#)
- [Course Overview - Objectives & Requirements](#)
- [Course Objectives and Requirements](#)
- [Program Overview and Roadshow](#)
- [Index Page](#)

Communication Tools

- [Live Web Chat - throughout the course](#)
- [Email Page for your course Page/Section](#)
- [Discussion Forum - Post your questions and comments here](#)

Course Introduction

Online Learning: **Current**

The screenshot displays a web browser window with a course titled "Gravel Road Maintenance and Construction". The course is organized into five lessons, each with a list of resources and activities. The lessons are:

- Lesson 01: The Properly Shaped Gravel Road**
 - Course and Objectives
 - Self-Preceptor: The Properly Shaped Gravel Road
 - Primer: Gravel Status
 - Video: Gravel Roadway Slope (4:20 min)
 - PDF: Manual pages 9-11, 14-16, 20-22
 - Practice Set 1 (answers shown)
 - Apply What You've Learned: Activities about your Active Plan in your handwritten file, computer file, or personal web page on the course site.
- Lesson 02: Distresses in Gravel Roads**
 - Course and Objectives
 - Self-Preceptor: Distresses in Gravel Roads
 - Primer: Gravel Status
 - Practice Set 2 (answers shown)
 - Apply What You've Learned: Activities about your Active Plan in your handwritten file, computer file, or personal web page on the course site.
- Lesson 03: Drainage**
 - Course and Objectives
 - Self-Preceptor: Drainage
 - Primer: Gravel Status
 - PDF: Manual pages 23-27
 - Practice Set 3 (answers shown)
 - Apply What You've Learned: Activities about your Active Plan in your handwritten file, computer file, or personal web page on the course site.
- Lesson 04: Adding Gravel**
 - Course and Objectives
 - Self-Preceptor: Adding Gravel
 - Primer: Gravel Status
 - PDF: Manual pages 44-49
 - Practice Set 4 (answers shown)
 - Apply What You've Learned: Activities about your Active Plan in your handwritten file, computer file, or personal web page on the course site.
- Lesson 05: What is Good Gravel?**

Online Learning: **Current** Community of Practice in Online Courses

- Student - **Content**
- Student - **Student**
- Student - **Instructor**
- Student - **World**

Student - Content



Online Learning: **Current** Interactions and Activities

- Student - **Content**



- Read content
- View videos
- Listen to a podcast
- Solve problems
- Use online resources
- Use interactive spreadsheets to track data

Student - Student



Online Learning: **Current** Interactions and Activities

- Student - **Student**



- Self-Introductions
- Discussion Forums
- Panel Discussions
- Group Projects
- Study Groups

Student - Instructor



Online Learning: **Current** Interactions and Activities

- Student - **Instructor**



- Listen to audio lectures
- Watch demonstrations
- Watch whiteboard solutions
- Attend virtual office hours
- Interact 1-to-1 in a private online space
- Receive feedback on work
- Describe what you need to succeed via course evaluations

Student - World



Online Learning: **Current** Interactions and Activities

- Student - **World**
 - Read construction plans
 - View construction sites
 - Interview working professionals
 - Solve a case study
 - Access current research
 - Collect and store data using mobile devices



Where Are We Heading?

The Road Ahead...



Online Learning: **The Future**

- Advances in **technology**
- Ubiquitous/ambient computing



- Social media
- Cloud storage
- Google Drive
- Ease of use



LinkedIn



Online Learning: **The Future**

- Advances in **education**
- m-learning
- e-books
 - WebAssign
- Free online courses
 - Open classroom
 - Stanford open classroom
 - edX



OpenClassroom



Credentialing

- Certificates
- Badges

Q and A

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