

| EARTH SCIENCE LAB - ESC 1000L (Reference Number 708098) TERM 20232, SESSION 3. MEETS: January 23 – April 21, 2023. MONDAYS [11:30 AM – 2:00 PM] | | |
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| REQUIRED TEXT: Pau, Henri Liauw A. <i>Earth Science Laboratory Manual, ESC1000L</i>. Plymouth, MI: Hayden-McNeil, 2021. (Printed version) | | |
| DATES | LABORATORY TOPICS | LESSONS & QUIZZES |
| January 23rd | Introduction, Safety, Intro to mineral properties | Syllabus, Safety & Introduction to minerals |
| January 30 | Minerals – Mineral Identification | <ul style="list-style-type: none"> • Lesson 1- Lab manual • Lab quiz -D2L |
| February 6th | Minerals – Mineral identification | <ul style="list-style-type: none"> • Lesson 1 cont. - Lab manual • Lab quiz-D2L |
| February 13th | Rock Identification- Igneous Rocks | <ul style="list-style-type: none"> • Lesson 2 - Lab manual • Lab quiz -D2L |
| February 20 th Presidents' day | Rock Identification- Sedimentary and Metamorphic Rocks | <ul style="list-style-type: none"> • Lesson 3 - Lab manual • Lab quiz-D2L |
| February 27th | <i>Lab Test- Rocks and minerals</i> | <ul style="list-style-type: none"> • <i>Test in class (Room 224)</i> |
| March 6th | NO Lab - Spring break | <ul style="list-style-type: none"> • |
| March 13th | Determining the Dew Point & Relative Humidity | <ul style="list-style-type: none"> • Lesson 5 - Lab manual • Lab quiz -D2L |
| March 20th | Barometric Pressure | <ul style="list-style-type: none"> • Lesson 6 - Lab manual • Lab quiz -D2L |
| March 27th | Sediment grain size analysis | <ul style="list-style-type: none"> • Lesson 7 - Lab manual • Lab quiz -D2L |
| April 3rd | Plate Tectonics and Earthquakes | <ul style="list-style-type: none"> • Lesson 9 - Lab manual • Lab quiz -D2L |
| April 10th | Shallow Water Waves— Standing waves | <ul style="list-style-type: none"> • Lesson 8 - Lab manual • Lab quiz -D2L |
| April 17th | Contours | <ul style="list-style-type: none"> • Lesson 10 - Lab manual • Lab quiz-D2L |

Student activities to be done outside of room 224:

- Pre-Lab Video presentation via D2L [must be completed prior to lab]
- Pre-Lab Quiz [must be completed prior to lab]
- Lab Report must be submitted as a digital file through D2L assignment (ONLY JPEG, PDF and MS word document file types will be accepted) NOTE: **If the file cannot be opened you will automatically get a zero grade**