North Central State College

MASTER SYLLABUS	2025-2026

A. Academic Division: Liberal Arts

B. Discipline: Physical Science

C. Course Number and Title: GEOL1030 Historical Geology

D. Assistant Dean: Laura Irmer, MFA,MA

E. Credit Hours: 4
Lecture: 3 hours
Laboratory: 2 hours

F. Prerequisites: None

G. Last Course/Curriculum Revision Date: Fall 2023 Origin date: 10/16/2017

H. Textbook(s) Title:

Visualizing Earth History
- Author: Loren Babcock
- Publisher: Wiley
- Copyright Year: 2009
- Edition: 1st
- ISBN #: 9780471724902

I. Workbook(s) and/or Lab Manual:

Historical Geology Lab Manual
- Author: Pamela J.W. Gore
- Copyright Year: 2014
- Edition: 1st
- ISBN #: 9781118057520

J. Course Description: Historical Geology is an introductory course describing the fundamental concepts of Geology for Non-Science majors. It contains 12 individual lessons grouped in 3 modules. **Module I – Fundamental Concepts** explains the basic concepts of historical geology including, earth materials and geologic time. **Module II – The Evolution of the Earth and Life through Time** follows the evolutionary processes of both the solid Earth and biology through time. **Module III – A Closer Look into the Major Time Periods** is an in depth look into each of the 5 major time periods with the focus on the biologic evolution.

K. College-Wide Learning Outcomes

College-Wide Learning Outcomes	Assessments - - How it is met & When it is met
Communication – Written	
Communication – Speech	
Intercultural Knowledge and Competence	
Critical Thinking	
Information Literacy	
Quantitative Literacy	

L. Course Outcomes and Assessment Methods:

Upon successful completion of this course, the student shall:

Outcomes	Assessments – How it is met & When it is met
1. Explain the process of the scientific method. Describe and summarize the fundamental geologic theories of plate tectonics and biologic evolution. Identify and explain the major geologic processes operating on Earth.	Module I – 1 to 2 assignments, chapter review questions, and Lab 1 assignment. This will be met early in the term.
2. Describe, define, and explain the materials on Earth including, rocks, minerals, and crystals. Explain the 3 rock types and summarize the rock cycle.	Module I – 2 homework assignment worksheets, chapter review questions, and Lab 2 – Rocks and Minerals assignment. This will be met early in the term.
3. Identify the various techniques of stratigraphic correlation and distinguish between the 3 types of unconformities. Summarize the geologic time scale and the divisions of time.	Module I – 1 homework assignment, chapter review questions, and lab1. This will be met early in the term.
4. Describe how living things are classified and differentiate between a biological species and a paleontological species. Explain the factors governing the distribution and abundance of life forms.	Module II – 1 homework assignment, chapter review questions, and labs 8 through 12. This will be met by the middle of the term.
5. Explain biologic evolution and summarize the evidence we use to explain it. Describe the structure of genetic material. Explain speciation and how species evolve. Explain the role of mass extinctions in construction of the geologic time scale.	Module II – 1 homework assignment, chapter review questions, and labs 8 through 12. This will be met by the middle of the term.
6. Explain the types of geologic evidence that can be used to interpret ancient sedimentary environments. Explain the major features of modern nonmarine, transitional marine/nonmarine, and marine environments. Describe how greenhouse gases cause increases in global temperature.	Module II – 1 homework assignment, chapter review questions, and labs 3 through 7. This will be met by the middle of the term.
7. Explain continental drift and seafloor spreading, the two hypotheses that gave rise to the theory of plate tectonics. Summarize the basic forms of tectonic boundaries. Explain fault patterns at each of the boundaries.	Module II – 1 homework assignment, chapter review questions, and labs 3 through 7. This will be met by the middle of the term.
8. Explain the major geologic and biologic events of the Precambrian. Explain how we determine the age of the Earth and summarize the early Earth. Explain the origins of the oceans and atmosphere. Summarize the record of the earliest fossils.	Module III – 1 assignment, chapter review questions, and labs 8 and 9. This will be met late in the term.

Outcomes	Assessments – How it is met & When it is met
9. Summarize how supercontinents were assembled and dispersed during the Proterozoic. Explain redbeds and what they tell us about atmospheric oxygen levels. Explain the snowball Earth hypothesis. Outline the most important steps in the history of life on Earth.	Module III – 1 assignment, chapter review questions, and labs 9 and 10. This will be met late in the term.
10. Summarize early Paleozoic paleogeography and tectonic events. Discuss the major biologic events of the Silurian and Devonian time periods. Explain the invasion of land by plants and animals. Discuss the assembly of Pangea and its effect on global climactic patterns.	Module III – 1 assignment, chapter review questions, and labs 10 and 11. This will be met late in the term.
11. Identify the major marine life forms of the Triassic and the terrestrial animals that evolved. Explain the early stages of the splitting and rifting of Pangea. Distinguish the major groups of dinosaurs. Explain the origin of flowering plants.	Module III – 1 assignment, chapter review questions, and labs 11 and 12. This will be met late in the term.
12. Describe and explain the growth of the Atlantic Ocean and the development of modern day mountains and seas. Identify the factors that forced rapid climate and sea level change in the Cenozoic. Describe ecosystem change of the Paleogene. Explain the evolution of humans and their close relatives.	Module III – 1 assignment, chapter review questions, and labs 11 and 12. This will be met late in the term.

M. Recommended Grading Scale:

NUMERIC	GRADE	POINTS	DEFINITION
93–100	A	4.00	Superior
90–92	A-	3.67	Superior
87–89	B+	3.33	Above Average
83–86	B	3.00	Above Average
80–82	B-	2.67	Above Average
77–79	C+	2.33	Average
73–76	C	2.00	Average
70-72	C-	1.67	Below Average
67–69	D+	1.33	Below Average
63-66	D	1.00	Below Average
60-62	D-	0.67	Poor
00--59	F	0.00	Failure

N. College Procedures/Policies:

North Central State College believes that every student is a valued and equal member of the community.* Every student brings different experiences to the College, and all are important in enriching academic life and developing greater understanding and appreciation of one another. Therefore, NC State College creates an inclusive culture in which students feel comfortable sharing their experiences. Discrimination and prejudice have no place on the campus, and the College takes any complaint in this regard seriously. Students encountering aspects of the instruction that result in barriers to their sense of being included and respected should contact the instructor, assistant dean, or dean without fear of reprisal.

* *Inclusive of race, color, religion, gender, gender identity or expression, national origin (ancestry), military status (past, present or future), disability, age (40 years or older), status as a parent during pregnancy and immediately after the birth of a child, status as a parent of a young child, status as a foster parent, genetic information, or sexual orientation*

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https://ncstatecollege.edu/documents/President/PoliciesProcedures/PolicyManual/Final%20PDFs/14-081b.pdf

North Central State College

MASTER SYLLABUS	2025-2026

A. Academic Division: Liberal Arts, Education, Professional & Public Services

B. Discipline: English

C. Course Number and Title: ENGL0010 College Composition I Lab

D. Assistant Dean: Laura Irmer, MFA, MA

E. Credit Hours: 1

F. Prerequisites: None

Co-Requisites: ENGL 1010

G. Last Course/Curriculum Revision Date: Summer 2025 Origin date: 08/19/2012

H. Textbook(s) Title: Students will use the same books as are used in ENGL1010 English Composition I

I. Workbook(s) and/or Lab Manual: None

J. Course Description: This supplementary lab is aimed at providing additional practice and consultation in writing effective, clearly organized essays. The lab provides a review of expository writing skills: paragraph and essay structure; sentence structure; and grammar, spelling, and mechanics to support the sophisticated patterns and variations in paragraphing, planning/writing/revision techniques that are emphasized in ENGL1010.

K. College-Wide Learning Outcomes:

College-Wide Learning Outcome	Assessments - - How it is met & When it is met
Communication – Written	
Communication – Speech	
Intercultural Knowledge and Competence	
Critical Thinking	
Information Literacy	
Quantitative Literacy	

L. Course Outcomes and Assessment Methods:

Upon successful completion of this course, the student shall:

Outcomes	Assessments – How it is met & When it is met
1. Identify and analyze the elements that affect the writing situation—purpose, audience needs, stance, style, and format/structure.	Exercises related to analyzing readings and student papers, middle to late in the term.
2. Demonstrate the relationship between critical thinking, reading, and writing techniques.	Discussion and exercises related to the readings assigned, middle to late in the term.
3. Demonstrate and use a flexible and recursive process for writing.	Exercises on thesis and topic sentence development, paragraph-to-paragraph coherence, and outlining, middle to late in the term.
4. Demonstrate and use collaborative techniques in the writing process.	Exercises on brainstorming, interviewing, and peer review techniques, middle to late in the term.
5. Demonstrate a knowledge of conventions—organization, format, grammar, citations, mechanics, style, syntax, and MLA citations.	Exercises on writing confidence and learning styles, and on-time draft essays for review and analysis, middle to late in the term.
6. Demonstrate an understanding of and use electronic technology in the research and writing process.	Exercises on searching techniques, selection of evidence, and incorporation of quoted material, middle to late in the term.

M. Recommended Grading Scale:

100-70 P Pass
0-69 F Fail

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