

## Geology

The following matrix indicates those courses deemed transferable among institutions listed across the top of the matrix. The numbers on the matrix represent the number of semester hours associated with the course at each institution and which institutions have agreed to transfer the commonly numbered course in each row.

A list of the academic discipline liaisons contacts for each institution are listed at the bottom of this document.

Prefix	Number	GERTA	Course Title	BSC	DCB	DSU	LRSC	MASU	MISU	NDSCS	NDSU	UND	VCSU	WSC	SBC	TMCC	UTTC
GEOL	100	ND:SCI or ND:LABSC	Earth Science with Lab						4				4		4		
GEOL	101	ND:SCI or ND:LABSC	Environmental Geology with Lab						4	3/1*							
GEOL	102	ND:LABSC	Historical Geology	3													
GEOL	102L	ND:LABSC	Historical Geology Lab	1													
GEOL	103	ND:SCI	Introduction to Environmental Issues									3					
GEOL	105	ND:SCI or ND:LABSC	Physical Geology with Lab	3/1*	4	3/1		4	4		3/1	3		3/1*	4		3/1
GEOL	106	ND:SCI or ND:LABSC	The Earth Through Time with Lab			3/1*			4		3/1*	3/1*	4			4	

### GEOL 100 Earth Science with Lab

A lecture and laboratory course which surveys topics in geology, oceanography, meteorology, and astronomy. \*Becomes an ND:LABSC if lab is taken with the lecture.

### GEOL 101 Environmental Geology with Lab

A lecture and laboratory course which provides an introduction to geology emphasizing man's interaction with the Earth and major environmental problems facing mankind today. \*Becomes an ND:LABSC if lab is taken with the lecture.

### GEOL 102 Historical Geology

Three hours of lecture and recitation per week. A study of the deposits laid down during the past geological ages and their fossil contents. Prerequisite: GEOL 101/101L. Concurrent registration in GEOL 102L is required.

### GEOL 102L Historical Geology Lab

Two hours of lab per week. Laboratory exercises investigate the evolution of the Earth's crust through geologic time. Topics include: plate tectonics, statistical

analysis of sediments, strata chronology and the influence of structural forces, relative and radiometric dating, sorting and correlation techniques, geomagnetism, geologic implications in the fossil record, and others. Concurrent registration with GEOL 102 is required. Prerequisites: GEOL 105 & 105L.

**GEOL 103 Introduction to Environmental Issues**

A survey of environmental issues concerning society's interaction with Earth's natural systems and exploitation of Earth's resources.

**GEOL 105 Physical Geology with Lab**

A lecture and laboratory study of the Earth as a physical body; its structure, composition, and the geologic processes acting on and within the Earth.

\*Becomes an ND:LABSC if lab is taken with the lecture.

**GEOL 106 The Earth Through Time with Lab**

A lecture and laboratory course which provides an introduction to the Earth through time; its origin, history, and the history and evolution of animal and plant life. \*Becomes an ND:LABSC if lab is taken with lecture.

**Astronomy**

Prefix	Number	GERTA	Course Title	BSC	WSC	DSU	MASU	UND	SBC
ASTR	150/150L	ND:SCI or ND:LABSC	Meteorology	3/1*			4		
ATSC	110	ND:SCI or ND:LABSC	Meteorology (w/lab)					4	4

**ASTR 150/150L Meteorology**

An introduction to the atmosphere, including fronts and air masses, clouds and precipitation, our seasons, and global climate. Basic atmospheric processes and phenomena are studied to provide the student an understanding of our ever changing and sometimes dangerous day-to-day weather. Emphasis is placed on central North America. \*Becomes an ND:LABSC if lab is taken with lecture.

**ATSC 110 Meteorology (w/lab)**

Elements of the atmosphere with emphasis on those processes that affect the global atmospheric circulation. \*Becomes an ND:LABSC if lab is taken with lecture.