_____SOUTH SEATTLE COMMUNITY COLLEGE_____
Academic Programs

COURSE OUTLINE
Revision: M. Von Der Ahe, April 2008

DEPARTMENT:	Academic Programs
CURRICULUM:	The Natural World
COURSE TITLE:	Evolution of the Earth
COURSE NUMBER:	GEOL& 103
TYPE OF COURSE:	Academic Transfer
Special Requirement Met:	None
AREA(S) OF KNOWLEDGE:	The Living World
COURSE LENGTH:	1 quarter
CREDIT HOURS:	5
LECTURE HOURS:	44
LAB HOURS:	22
CLASS SIZE:	35
PREREQUISITES:	None

COURSE DESCRIPTION:

Formation and development through time of the solid Earth, atmosphere, and biosphere. Covers past movements and locations of the continents and interpretation of past environments as recorded in rock and fossil records. Lab included. One Saturday field trip required.

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STUDENT LEARNING OUTCOMES ADDRESSED:

1. Human Relations – Use social skills to work in groups effectively
2. Critical Thinking and Problem Solving – Think critically in evaluating information, solving problems and making decisions.
3. Technology – Select and use appropriate technological tools for personal, academic and career tasks.
4. Communication – Read and listen actively to learn and communicate
5. Personal Responsibility – Be motivated and able to continue learning and adapt to change. Manage personal health and safety. Be aware of civic and environmental issues.

GENERAL COURSE OBJECTIVES:

At the end of the course the student will:

1. Understand the scientific method of observation and analysis
2. Introduce the basic concepts and features of Evolution of the Earth including geologic time, plate tectonics, and evolution.
3. Demonstrate the identification of rocks and ancient plants and animals.
4. Understand the significant events of Planet Earth.

TOPICAL OUTLINE:

I. Dynamic earth
II. Plate tectonics
III. Minerals and rocks
IV. Sedimentary rocks
V. Geologic time
VI. Rocks, fossils and time
VII. Evolution
VIII. Origin of earth
IX. Archean Eon
X. Proterozoic Eon
XI. Early Paleozoic Geology
XII. Late Paleozoic Geology
XIII. Paleozoic life
XIV. Mesozoic geology
XV. Mesozoic life
XVI. Cenozoic geology

XVII. Quanternary geology

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TOPICAL OUTLINE: (CONT.)

XVIII. Cenozoic life
XIX. Evolution of humans
Total hours 66

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SLO #	Included in Course Objective Number	SSCC Student Learning Outcomes
SLO 1.1	1,2,3,4	Communication - Read and listen actively
SLO 1.2	1,2,3,4	Communication - Speak and write effectively
SLO 2.1	2	Computation - Use mathematical operations
SLO 2.2	2	Computation - Apply quantitative skills
SLO 2.3		Computation - Identify, interpret, and utilize higher level mathematical and cognitive skills
SLO 3.1	3	Human Relations - Use social interactive skills to work in groups effectively
SLO 3.2		Human Relations - Recognize the diversity of cultural influences and values
SLO 4.1	1,2,3,4	Critical Thinking and Problem Solving -
SLO 5.1	1,2	Technology - Select and use appropriate technological tools
SLO 6.1	1,2,3,4	Personal Responsibility - Be motivated and able to continue learning and adapt to change
SLO 6.2		Personal Responsibility - Value one's own skills, abilities, ideas and art
SLO 6.3		Personal Responsibility - Take pride in one's work
SLO 6.4		Personal Responsibility - Manage personal health and safety
SLO 6.5		Personal Responsibility - Be aware of civic and environmental issues
SLO 7.1	1,2,3,4	Information Literacy - Access and evaluate information
SLO 7.2	1,2,3,4	Information Literacy - Use information to achieve personal, academic, and career goals, as well as to participate in a democratic society

PREPARED BY: M. Von Der Ahe
DATE: April 2008