



GEOL&110 - Environmental Geology: Geology and the Human Env

Document Type: Master Course Outline

Proposal Type: Revision

Requester(s): Kay A Rutherford Thomas F Braziunas Nancy J Giese-sola-Ilonch

College: South

Origination Approved: 07/03/2017 - 1:45 PM

BASIC INFORMATION

Requester(s): Kay A Rutherford
Thomas F Braziunas
Nancy J Giese-sola-Ilonch

College: South Seattle College

Division/Dept: Academic Programs

Dean: Kay A Rutherford

Peer Reviewer(s): Nancy J Giese-sola-Ilonch

COURSE INFORMATION

Proposed Course Number:

Prefix: **GEOL&** Number: **110**

Request a new Prefix

This will be a common course

Full Title: Environmental Geology: Geology and the Human Env

Abbreviated Title: Environmental Geology

Catalog Course Description:

Covers the effects of geologic processes and materials on human activity, and the effects of human activity on the Earth. Emphasizes awareness of geologic aspects of our everyday environment including the identification of problems, and the formulation and evaluation of solutions. Lab included.

Course Length: 11 Weeks

Request an Exception

Topical Outline:

I Introduction to cycles and different "spheres"

A Rock cycle

B Hydrologic cycle

C Carbon and other biogeochemical cycles

II Geologic hazards

A Tectonic

1. Volcanoes

2. Earthquakes

B Non-tectonic

1. Floods
2. Mass wasting
3. Coastal erosion
4. Groundwater loss and pollution
5. Climate change

III Resource extraction

A Mineral

1. Ores
2. Petroleum and natural gas

B Non-mineral

1. Groundwater
2. Soils

COURSE CODING

Funding Source: 1.....State

Institutional Intent: 11.....Academic Transfer

Select the Distribution Area of the AA Degree that this course will satisfy, if applicable:

Distribution Areas

Natural World

Will this course transfer to a 4-year university?

Yes

Transfers as ESS 315 (4 credits) and ESS 1XX (1 credit) at the University of Washington

Please Describe:

Transfers as ESS 315 (4 credits) and ESS 1XX (1 credit) at the University of Washington

Is this course designed for Limited English Proficiency?

No

Is this course designed for Academic Disadvantaged?

No

Does this course have a Workplace Training component?

No

CIP Code: 40.0601

Request Specific CIP Code

Credits:

Will this course be offered as Variable Credit?

No

No

List Course Contact Hours

Lecture (11 Contact Hours : 1 Credit)	33
Lab (22 Contact Hours : 1 Credit)	44
Clinical Work (33 Contact Hours : 1 Credit)	0
Other (55 Contact Hours : 1 Credit)	0
Total Contact Hours	77
Total Credits	5

This is to certify that the above criteria have all been met and all statements are accurate to the best of my knowledge.

Faculty involved in originating this program:

<u>Kay A Rutherford</u> Print Name	<u>Kay A Rutherford</u> Signature	<u>5/31/2017</u> Date
<u>Thomas F Braziunas</u> Print Name	<u>Thomas F Braziunas</u> Signature	<u>5/31/2017</u> Date
<u>Nancy J Giese-sola-Ilonch</u> Print Name	<u>Nancy J Giese-sola-Ilonch</u> Signature	<u>5/31/2017</u> Date

Dean:

<u>Jc Clapp</u> Print Name	<u>Jc Clapp</u> Signature	<u>5/17/2016</u> Date
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Results of SSCC Curriculum Coordinating Council Findings

Participating Faculty Response and Remarks

- Recommended for approval
 Not recommended for approval

Chairman, Curriculum Coordinating Council:

<u>Mary Elizabeth Beans</u> Print Name	<u>Mary Elizabeth Beans</u> Signature	<u>6/13/2017</u> Date
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Vice President for Instruction:

<u>Peter H Lortz</u> Print Name	<u>Peter H Lortz</u> Signature	<u>7/3/2017</u> Date
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