

**Guelph Collegiate Vocational Institute
Upper Grand District School Board**

Course Outline



Department: Geography

Course Title: Forces of Nature: Physical processes and Disasters

Course Type:M

Grade:11

Course Code: CGF 3M

Credit Value: 1.0

Department Head: Joanne Robb

Teachers: Joanne Robb

Teacher email: (not mandatory) Joanne.Robb@ugdsb.on.ca

Date of Development: September 2015

Curriculum Document: (copy subject-specific document from secondary curriculum website <http://www.edu.gov.on.ca/eng/curriculum/secondary/>)

Course Prerequisites/Corequisites:
Issues in Canadian Geography, Grade 9, Academic or Applied

Course Description:

In this course, students will explore physical processes related to earth's water, land, and air. They will investigate how these processes shape the planet's natural characteristics and affect human systems, how they are involved in the creation of natural disasters, and how they influence the impacts of human disasters. Throughout the course, students will apply the concepts of geographic thinking and the geographic inquiry process and use spatial technologies to analyse these processes, make predictions related to natural disasters, and assess ways of responding to them.

Term Work (70% of the final mark)

Unit Title, Big Ideas, and Unit Culminating Tasks

Spatial organization: Spheres of the Earth: Powerful natural processes formed the earth and continue to change and mould the outer spheres of the earth. Spheres assignment, unit test

Tectonic Hazards: People in different regions of the world need different strategies to deal with potential disasters. Tectonic report, unit test

Niagara Escarpment: The earth today is a result of many natural processes. These processes continue to change. Field report, debate.

Erosion and its hazards: Natural processes and disasters can cause social, economic, political, and environmental problems. Unit test

Weather and Climate: The natural environment has an impact on human activity and vice versa. Oral presentation

Culminating Tasks/Exams (30% or the final mark)

Course Culminating Task/Exams and Description

Written Exam

Based on the range of students' learning needs, a selection from the strategies listed below may be utilized. Refer to [list of teaching and assessment strategies](#).

Teaching Strategies:

Strategies include but are not limited to: lectures, debates, computer simulations, discussion, socratic methods, arcgis software, etc.

Assessment and evaluation strategies:

Assessments include both formative and summative and may include:

- tests
- debates
- research reports
- field studies
- oral presentations
- exam

Textbooks/Learning Resource Materials (align with Policy 603)

Chasmer, Hume, Wallace: Earth Matters

Fees for Learning Materials/Activities

Learning Materials/Activities	Cost
Niagara Escarpment field trip	\$20

Please refer to the [GCVI Student Handbook](#) for our school policies on:

- academic integrity
- late and missed assignments