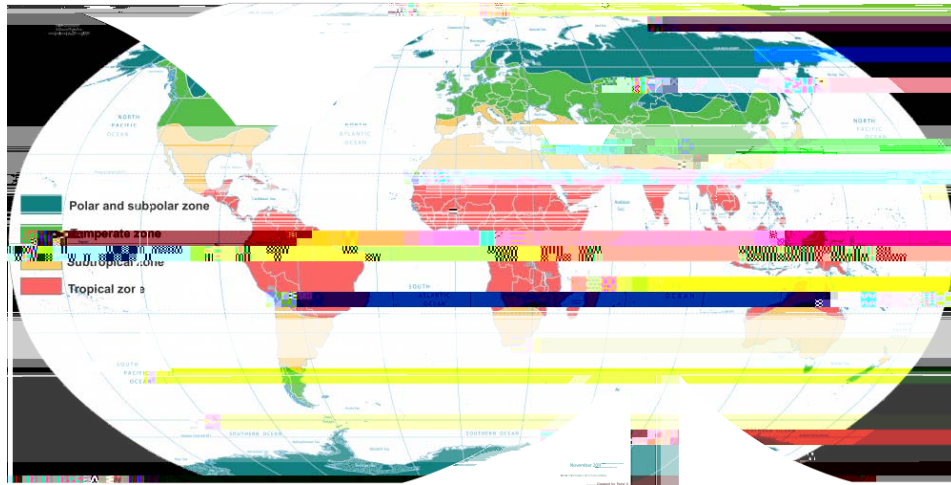


McGill University
Department of Geography
GEOG-203: ENVIRONMENTAL SYSTEMS
PRELIMINARY COURSE OUTLINE 2021



GEOG-203 presents a systems approach to the study of the temporal and spatial variability of the natural environment near the earth's surface. Emphasis is on understanding the processes of mass and energy exchange that drive the variability in the earth's climate, its water cycle, soil development, biogeochemical cycles, plant production, and distribution of plant communities. The knowledge gained sheds light on environmental processes of increasing interest, such as global warming feedback mechanisms involving the water cycle and vegetation, the impacts of agriculture, deforestation and acid precipitation on water and nutrient cycles, soil erosion, and eutrophication.

The Covid-19 pandemic has significantly changed the world we live in and GEOG-203 will be offered remotely in 2021, as well as the course in 2020. Apart from the first class, lectures will be pre-recorded and released two per week through myCourses before the class date. The class times will be used for live, question/answer sessions for students to interact with professors and Teaching Assistants and TEAM members. Assessments will be based on quizzes, assignments and tests. All readings will be available on myCourses. disturbance in ecosystems. The instructors approach the course topics within a common, integrated Earth Systems Science viewpoint. The course is scheduled for Tuesday and Thursday, 11:35 – 12:55, starting Thursday Sept. 2 and ending Thursday Dec. 2.

SECTION 1: EARTH SURFACE CLIMATOLOGY AND DRAINAGE BASIN HYDROLOGY

Instructor: **Dr. Tim Moore** (tim.moore@mcgill.ca). September 7 – October 30:
eight lectures, one assignment, one test (begins Tuesday, October 5). We shall
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