

Geography 205: Geography of Weather and Climate Change.

Introduction:

Welcome to Geography 205! This is a five-credit course that fulfills a natural science requirement for the Associate in Arts and Sciences (AAS) Degree at Bellevue Community College. There are no prerequisites for this class.

Course Description:

The course will investigate the dynamic patterns and processes of weather, climate and climate change and the inherent interactions of these systems with humankind. I hope that the course material will create a desire to understand the intricacies of these systems and inspire a deeper appreciation of these components of Geographic enquiry. For intimacy with a landscape inspires respect for that landscape, in all its splendor and in all its shortcomings.

Course Objectives:

This class should enable the successful student to secure:

a knowledge of solar energy, the Earth's rotation and orbit, and seasonality: a knowledge of the composition of the lower atmosphere, the radiation balance, and temperature concepts and controls: an understanding of atmospheric and oceanic circulation: an awareness and appreciation of weather phenomena at both micro and macro levels of enquiry: an understanding of the interpretation and analysis of weather maps: an awareness of the inherently unique nature of weather and weather patterns: an appreciation of climatic classification and global climate types: a recognition of the significance of the role of climate in the framing of cultural attributes: an understanding of global climate change and the implication of such oscillations on world ecosystems: an appreciation of the role of weather and climate on the characteristics and distribution patterns of soils and vegetation: a knowledge of map analysis and interpretation as well as the use of graphs and diagrams and the ability to abstract relevant details from secondary sources of information: and a recognition of the beauty in nature and a desire to secure a greater intimacy with the natural landscape.

Format:

The course is subdivided into **Five Modules**. It is advisable to make notes on key issues in the Class Notes, Textbook Readings and Essential Readings - as you will be tested on this material in the **Module Exams and in the Final Exam**.

Each module begins with **Class Notes**. These notes will help you to better understand the various topics covered in that module. The information in the class notes focuses on material that may

not be especially thoroughly covered in the textbook. You should begin each module by reading these introductory Class Notes – some questions in the module exam and in the final will be taken from this section.

The next step is to read through the **Directions for Textbook Readings**. This information will direct you to the reading in your textbook, and whilst each chapter(s) identified should be carefully read there are specific areas for you to study that are very important and outlined in these directions.

Every module also has an **Exercise Section**. This is your next step. Read through this section and answer all of the questions in each of the exercises as this forms the basis of most of the questions in the module exam and you will be tested on this material in the **module exams and in the final**.

The final step in each module is the **Module Exam**. Having completed all of the above steps you will be ready to take the module exam. To prepare for this exam it is vital that you complete all of the questions in the various exercises in the exercise section of the module. Before you attempt the exam carefully read through the Class Notes again (and any of your personal notes that you may have taken from the class notes) and go over your answers to the questions asked in the Exercise Section. Remember that the module exams are all multiple choice open book exams and so have all of the material at hand when you take these exams. You have a limited time period of 60 minutes for the module exams, but, this should be enough time for you if you have the answers all done and know the material from the module well enough (you can always look up an answer if you cannot fully remember it, but, have a good idea of generally where to look).

Remember - all of the questions in the Module Exam will be taken directly from the Class Notes and from the exercises in the Exercise Section in the module. You will only have one chance to do each of the module exams – and once you start you must continue and you will be limited to 60 minutes. Also remember to Save all your answers before you submit your exam for marking.

There are in all **5 Module Exams – all multiple-choice – and all answered online**. The Module Exams will be open for about a week each - so please be sure to do them in the time allocated - please check the Course Calendar for exact dates – **because you have so much time to do each exam there are no make-up opportunities (except in extreme circumstances)**.

Extra Credit - there will also be an opportunity to earn extra credit for the class. You may participate in Class Discussions that will be related to one specific topic in each module. Each Module Discussion Topic is posted and viewed by clicking on the link in that Module and if you contribute to the discussion you will secure a maximum of 20 marks per module discussion toward a total of 100 marks added to your overall score. To secure these marks your first post should discuss the topic under review and should be of approximately 200 words (15 marks) and your

response post in which you reflect on other comments by other students should be of about 50-100 words (5 marks). .

Answer the modules in the sequence from 1 through 5.

Module 1: The Atmosphere, Energy and Temperature.

Module 2: Atmospheric and Oceanic Circulation.

Module 3: Water, Weather and Climate Systems.

Module 4: Global Climate Systems and Ecosystems.

Module 5: Global Climate Change.

The Final Examination:

This will be a 90 minute online Final Exam. You will be required to take the final exam within the last week of the course. Please note that most of the questions are based on material covered from the exercises that focused on textbook reading in the modules. There will be 40 multiple choice questions worth 3 marks each (note that this gives a total of 120 marks – so you have 20 marks of extra credit in the Final).

Required Texts:

'Elemental Geosystems': any edition from the 5th edition will work: by Robert W. Christopherson. Published by: Prentice Hall You should also have access to an Atlas of your choice.

Participation:

You are responsible for:

1. the technical aspects of your computer/email/printer etc. Please look at the BCC Distance Education website for the WebCT Tutorial and for hardware requirements.
2. reading the appropriate material as specified.
3. taking part in email discussions/please do not use voice email when contacting me/ fellow students can be a helpful resource for those 'difficult questions'.
4. keeping comprehensive personal notes/journals/diagrams/maps relevant to material studied.
5. timely completion of quizzes and the final examination/please note that there are no make-up tests available - you should not leave tests to the last minute in case you have a technical problem - this is a very important consideration/you should have a back-up plan should your system 'crash' at the wrong time.

6. please review the Bellevue Community College academic calendar posted at <http://distance-ed.bcc.ctc.edu> for all details regarding registration and withdrawal policy and procedures and distribution of final grades/you should be familiar with the Social Science Division policy for cheating and plagiarism/if you require special student services contact Disability Support Services at 425-564-2498 or call in on campus.

7. Please remember there are no make-up opportunities for quizzes or the final examination; it is important to make a commitment to this online class in just the same way as you would a classroom based class.

Grading: mark allocation:

1) Module exams - each is worth 100 marks = 500 marks

2) Final Exam – is worth 100 marks (it carries 120 marks with 20 marks extra credit)

3) Extra Credit - there will also be an opportunity to earn extra credit for the class. You may participate in Class Discussions that will be related to one specific topic in each module. Each **Module Discussion Topic is posted and viewed by clicking on the link** in that Module and if you contribute to the discussion you will secure a maximum of **20 marks per module discussion toward a total of 100 marks** added to your overall score. To secure these marks your first post should discuss the topic under review and should be of approximately 200 words and your response post in which you reflect on other comments by other students should be of about 50-100 words.

The Grading Scale

The total mark allocation for the course is 600 marks (you can increase this with the optional extra credit of 120 marks - with Discussion Topics of 100 marks and 20 marks in the Final of extra credit)

Grading

A 565 plus

A- 540-564

B+ 510-539

B 480-509

B- 450-479

C+ 420-449

- C 390-419
- C- 360-389
- D+ 330-359
- D 300-329
- F 299 and less

Good luck and I sincerely hope that you enjoy the class!

ONLINE PROCEDURES AND GUIDELINES
OF THE SOCIAL SCIENCE DIVISION
Revised Fall 2010

Bellevue College's Affirmation of Inclusion

Bellevue College is committed to maintaining an environment in which every member of the campus community feels welcome to participate in the life of the college, free from harassment and discrimination. We value our different backgrounds at BC, and students, faculty, staff members, and administrators are to treat one another with dignity and respect. The college's "Affirmation of Inclusion" is in line with the principle of free speech in a free society: we have the right to express unpopular ideas as long as we don't show disrespect for reasonable people who might believe otherwise. In an online course, you will be expressing ideas through the medium of the course site rather than face to face in the classroom. In that case, these expectations refer to the courtesy with which you communicate with one another through e-mails and e-discussions. Part of this respect involves professional behavior towards the instructor, colleagues, and the class itself.

Cheating, Stealing, and Plagiarizing* and Inappropriate Behavior

Cheating, stealing and plagiarizing (using the ideas or words of another as one's own without crediting the source) and inappropriate/disruptive behavior are violations of the Student Code of Conduct at Bellevue College. Examples of unacceptable behavior include, but are not limited to: plagiarizing material from the Internet and posting rude or personal attacks in discussions. When you are in doubt about any behavior, please consult your instructor. In addition, you may wish to review the general applicable rules of cyberspace, such as in the Core Rules of Netiquette. The instructor reserves the right to remove posted messages, and downgrade assessments as a result of these types of behaviors. The instructor can refer any violation of the Student Code of Conduct to the Vice President of Student Services for possible probation or suspension from Bellevue College. Specific student rights, responsibilities and appeal procedures are listed in the Student Code of Conduct, available in the office of the Vice President of Student Services, link to Student Code.

Incomplete

If a student fails to complete all the required work for a course, an instructor may assign the grade of Incomplete ("I"). It is the student's responsibility for maintaining contact and adhering to the agreed-upon actions. Vista class sites, and material, may not be directly accessible after the end of the quarter so it is important to make arrangements before the quarter ends. The student must complete the coursework by the end of the next quarter, or receive the assigned letter grade (usually an "F"). There is a standard form that instructors have access to in their instructor's grade briefcase.

F Grade

Students who fail a course will receive a letter grade of "F."

Final Examination Schedule

Final examinations may involve proctored on-campus arranged exams or may be administered completely online at the discretion of the instructor and in keeping with the stated policies provided in the course syllabus. Please refer to the syllabus at the start of the quarter for additional details and contact the instructor directly for any clarifications. A student who is not in compliance with the scheduled format may forfeit the right to make up the examination. If, for illness or some other circumstance beyond the student's control, the student is unable to be in compliance with any scheduled examination and has contacted the instructor on a timely basis, the student may be permitted to take such examination at a time designated by the instructor.

Withdrawal From Class

Academic Year: College policy states that students must formally withdraw from a class by the end of the seventh week of the quarter (Registration Office, B125). If a student has not withdrawn by that date, an appropriate letter grade will be assigned for the course.

Summer Quarter: College policy states that students must formally withdraw from a class by the end of the fifth week of the quarter (Registration Office, B125). After the sixth day and through the end of the fifth week of the quarter, the "W" grade will become part of the student's transcript record.

Check Enrollment Calendar Deadlines, Refunds/Withdrawals, for additional details. As with most enrollment deadlines, it is the student's responsibility to be aware of these dates and act accordingly.

Hardship Withdrawal (HW)

From page 9 of the current course catalog, 2008-2009 online catalog, HW indicates a withdrawal request made because of extenuating circumstances after the official withdrawal period is over. The student must contact the instructor to request this withdrawal option, or the faculty member may initiate the contact. No points are calculated into the grade-point average. Students may also contact the Enrollment Services office BEFORE grades are assigned in cases of hardship.

Students Who Require Disability Accommodations:

Students with disabilities who have accommodation needs are encouraged to contact the Disability Resource Centre (DRC). The office is **located in B132 (phone 425.564.2498 or TTY 425.564.4110, email drc@bellevuecollege.edu)**. Students will need to establish their eligibility for accommodation. The DRC office will provide each eligible student with an accommodation letter or contact your online instructor directly by email. Students who require accommodation in a course should review the DRC accommodation letter with each instructor during the first week of the quarter.

Distribution of Grades

Students should access their grades through the BC Web site. Any returned material should be accessed prior to the end of the quarter. After the end of the quarter, Vista class sites may not be accessible by students. Individual instructors may use non-Vista tools for recording and maintaining the students' progress. Questions about grades assigned should be initially directed to your instructor.

Submission and Returning of Papers, Assignments and Assessments:

Specific guidelines for taking exams and submitting assignments are published in the syllabus. Please contact instructor at the start of the quarter for any clarifications.

Technical Assistance

Vista-related or technical issues should be referred to Distance Education.

You may also email them at landerso@bellevuecollege.edu or

call **425-564-2438 (1-877-641-2712)**.

Vista tutorial help and basic instructions can be found at <http://bellevuecollege.edu/distance/> (Links to an external site.)

**If you are accused of cheating, stealing exams and/or plagiarism, there is a Bellevue College Student Discipline and Appeals Procedure (the right to due process) which you may pursue. Contact the office of Division Chair (D110), the Vice President of Student Services (B231A) or the Associated Student Body (C212) for information regarding the appeals process.*