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Basic Course Information

Semester:	FALL 2021	Instructor Name:	Samuel Cortez
Course Title & #:	GEOG 111 PHYSICAL GEOGRAPHY LABORATORY	Email:	
CRN #:	10748	Webpage (optional):	http://www.imperial.edu
Classroom:	CENTINELA A YARD	Office #:	n/a
Class Dates:	Aug 16-Dec 11, 2021	Office Hours:	n/a
Class Days:	Correspondence	Office Phone #:	n/a
Class Times:	4 WEEK MODULES	Emergency Contact:	n/a
Units:	1.0		

Course Description

From the Imperial Valley College Catalog, this class is described in the following manner:

GEOG 111 is the laboratory course in Physical Geography. The course provides laboratory exercises in topics covered in GEOG 100, Physical Geography, which covers the Earth's atmosphere, hydrosphere, biosphere and lithosphere. The laboratory experience includes the observation and interpretation of weather data, statistical analysis of climate data, map analysis and interpretation, analysis of earth materials, along with landform processes, plate tectonics, and biogeography. (CSU, UC)

Essentially, we will be using the scientific method, and looking at lots of maps, to further investigate, in an applied and practical fashion, the ideas and material you learned or are learning in Geography 100 lecture. Each class CONSISTS OF a brief lecture (30 minutes) outlining the major concepts that will be explored in that day's lab. Students will then complete the assigned lab exercises.

Course Prerequisite(s) and/or Corequisite(s)

Completion of or concurrent enrollment in: GEOG 100 with a "C" or better or Concurrent Enrollment in GEOG 100

Student Learning Outcomes

Upon course completion, the successful student will have acquired new skills, knowledge, and or demonstrated by being able to:

1. Explain how the Earth's geometry and motions in space affect environmental patterns and processes. (ILO3, ILO5)
2. List, identify, and map the Earth's major physiographic features and climate distributions. (ILO5)
3. Collect and analyze geographic data and produce geographic tables, graphs and maps. (ILO4)

Course Objectives

MEASURABLE COURSE OBJECTIVES AND MINIMUM STANDARDS FOR GRADE OF "C":

Upon satisfactory completion of the course, students will be able to:

1. Understand the size, shape, and movements of the Earth in space and their importance to environmental patterns and processes.
2. Analyze the major atmospheric, geomorphological, and biotic processes that shape the Earth's surface environments.
3. Identify global distributions of the world's major climates, ecosystems, and physiographic (landform) features.
4. Develop critical thinking and research skills related to the scientific method, scientific measurement, data analysis and practical experience using the tools and concepts of physical geography.
5. Applications and activities related to basic concepts of physical geography in the analysis of real-world variations in environmental patterns.

Textbooks & Other Resources or Links

Required text: *Physical Geography Lab Manual, 12th ed.*, by Darrel Hess. Pearson. ISBN 9780134561011

The lab pages will be provided for you to complete the exercises in class each week.

Course Requirements and Instructional Methods

Out of Class Assignments: This class is held via correspondence. All assignments will be sent to Centinela Correctional Facility Prison via IVC Student Equity department.

- The course is designed for the completion of 4-Modules.
- Each module should be completed every 4-Weeks.
- Each module is composed with questionnaires, articles, assignments, reflections, quizzes and exams.
- Students are required to submit assignments (packages) through CDCR Staff. **PLEASE DO NOT SUBMIT PACKAGES BEFORE THE DEADLINE.**
- Work at your own pace, each module is composed with approximately four chapters (labs). I suggest you to complete one chapter per week. DON'T RUSH.
- Points may be deducted for assignments submitted after the due dates.

COMPLETING LAB EXERCISES

Lab exercises must be turned in before you leave class each week. There will be **13 labs** each lab is worth **15 points**. I will not accept labs completed on loose-leaf paper, so you **MUST** use the pages photocopied from the manual and provided to you to submit your lab assignments each week. You must **EACH** turn in your own exercises, with work shown for **ALL** computations, and with original, non-identical responses to verbal answers. If your written answers are identical to those of your classmates all parties involved will receive no credit for the identical answers. Egregious examples may result in all parties involved receiving a grade of zero on the entire lab. Graded labs will be handed back at the end of the 4-week module, and an answer sheet will be made available after the assignments are returned to help you better understand what you got right and wrong on the previous lab.

LAB ASSIGNMENT RUBRIC	
POINTS	CRITERIA
15 POINTS	Legible answers including complete numerical values with decimal points & required units of measurement per Lab question. Accurate interpretation of graphs, charts, and map & photos, and written complete sentences as required to answer the lab questions for full understanding of the lab concepts and objectives.
10-14 POINTS	Legible answers including complete numerical values but may have mistakes or missing and/or incomplete information. Shows understanding of the lab concepts with minor errors
7-9 POINTS	Incomplete, one or two-word written answers that do not fully address the lab concepts and objectives. Missing portion of the lab assignment
5-6 POINTS	One-word answers requiring additional explanation. Illegible work for either required math or incomplete answers missing unit notation.
0-4 POINTS	50% of lab answers incomplete or no submittal

MAKE UPS

In-class writing assignments may not be made up for any reason, ever. Quizzes, **assignments** and exams may **ONLY** be made up if you miss them due to **SERIOUS, EXTENUATING** circumstances.

Valid reasons for make-up exam:

- Serious illness requiring medical attention (which can be documented with a doctor's note)
- Death in the family (I hate to ask for documentation of this, but it seems that a LOT of grandparents, aunts, and uncles pass away right before exams)
- Issues in the Correction facility that may arise and that are beyond your control.

ADVICE FOR STUDENTS

I have taught this course enough times to recognize what makes successful students succeed, and what makes unsuccessful students fail. Here are my simple tips:

1. Read the introductions to the exercises listed in the calendar above **BEFORE** coming to class each day. For an even better understanding of the material, consult the pages of a physical geography textbook that covers the same material being covered in the lab. I can't POSSIBLY fully teach every bit of science or information necessary for a full understanding of each lab. We just don't have time. So, it's up to you to make sure you come prepared each day with a basic understanding of what we'll be doing.
2. Don't divide and conquer. If you are working with other people, don't say: "I'll do these problems, and you do these other problems, and then we'll share our answers." This is the mark of a lazy (not to mention dishonest) student who is not likely to learn very much and will probably do very poorly on the exams.
3. If you are having trouble understanding how to do the problems, you may find it better to work by yourself. This way you can work at your own pace, and make sure you understand how to do the problems. Remember, the exam questions will be just like the lab questions, but you won't have anyone to help you.
4. Check the answer sheet provided in the classroom at the end of each module to better understand your grade. If you got something wrong, this is your chance to figure out why. Also, I may be generous in what I accept for full or partial credit for an answer, so you may see that you got an answer correct,

while checking the more precise answer from the answer sheet might greatly enhance your understanding of the material. You are encouraged to ask me (via the student interaction sheet) for clarification about any questions from previous labs.

Out of Class Assignments: The Department of Education policy states that one (1) credit hour is the amount of student work that reasonably approximates not less than one hour of class time and two (2) hours of out-of-class time per week over the span of a semester. WASC has adopted a similar requirement.

Course Grading Based on Course Objectives

EXAMS

There will be four non-cumulative exams during the semester, worth **75 points** each, consisting of questions related to the labs we worked in class.

COURSE EVALUATION AND CLASS ASSIGNMENTS

GRADING BREAKDOWN

Your final grades are **earned** by you and are non-negotiable (of course, you may contact me about your final grade if you think I have made a computation error). Do not ask me to round up your grade! I consider each student's overall performance and situation before submitting final grades, and I will know each of you by name.

Assignment	Grading
1. Labs 13x15 = 195points	Your grade will be determined on the following grading scale based on total number of points: <div> <div>450-500 points</div> <div>90-100%</div> <div>A</div> </div> <div> <div>400- 449 points</div> <div>80-89%</div> <div>B</div> </div> <div> <div>350-399 points</div> <div>70-79%</div> <div>C</div> </div> <div> <div>300- 349 points</div> <div>60-69%</div> <div>D</div> </div> <div> <div>> than 299 points</div> <div>>59%</div> <div>F</div> </div>
2. Exam 1 75 points	
3. Exam 2 75 points	
4. Exam 3 75 points	
5. Exam 4 75 points	
6. Math Skills Practice 5 points	
TOTAL POINTS: 500 Points	

Attendance

This class will meet through correspondence. Students are assigned course work every four weeks.

- Regular participation in submitting course content is expected of all students

Academic Honesty

Academic honesty in the advancement of knowledge requires that all students and instructors respect the integrity of one another's work and recognize the important of acknowledging and safeguarding intellectual property.

There are many different forms of academic dishonesty. The following kinds of honesty violations and their definitions are not meant to be exhaustive. Rather, they are intended to serve as examples of unacceptable academic conduct.

- **Plagiarism** is taking and presenting as one's own the writings or ideas of others, without citing the source. You should understand the concept of plagiarism and keep it in mind when taking exams and preparing written materials. If you do not understand how to "cite a source" correctly, you must ask for help.
- **Cheating** is defined as fraud, deceit, or dishonesty in an academic assignment, or using or attempting to use materials, or assisting others in using materials that are prohibited or inappropriate in the context of the academic assignment in question.

Anyone caught cheating or plagiarizing will receive a zero (0) on the exam or assignment, and the instructor may report the incident to the Campus Disciplinary Officer, who may place related documentation in a file. Repeated acts of cheating may result in an F in the course and/or disciplinary action. Please refer to the [General Catalog](#) for more information on academic dishonesty or other misconduct. Acts of cheating include, but are not limited to, the following: (a) plagiarism; (b) copying or attempting to copy from others during an examination or on an assignment; (c) communicating test information with another person during an examination; (d) allowing others to do an assignment or portion of an assignment; (e) using a commercial term paper service.

Additional Services for Students

How do I access services now that we are mostly online? Please notice that some of these services may not be available to you. If any of these services is needed, please speak to Calipatria Correctional staff and or IVC's Student Equity Department.

- [Learning Services](#). In order to accommodate students and maximize student success during the COVID-19 Pandemic, all tutoring support is being provided through one Zoom link ([IVC online Tutoring](#)). When campus is open again, there are several learning labs to assist students. Whether you need support using computers, or you need a tutor, please consult your [Campus Map](#) for the [Math Lab](#); [Reading, Writing & Language Labs](#); and the [Study Skills Center](#).
- [Library Services](#). Visit the Spencer Library's page on the IVC website for a wealth of valuable resources and online access to databases, e-books and more. Contact us so we can help you with instructional and research development skills (for those conducting research and writing academic papers). When campus re-opens, students also have access to tutoring services in the Study Skills Center as well as private study rooms for small study groups. There is more to our library than just books!

Disabled Student Programs and Services (DSPS)

Any student with a documented disability who may need educational accommodations should notify the instructor or the [Disabled Student Programs and Services](#) (DSP&S) office as soon as possible. **When campus is open**, the DSP&S office is in Building 2100, telephone 760-355-6313. Please contact them if you feel you need to be evaluated for educational accommodations.

Student Counseling and Health Services

[Required language.] Students have counseling and health services available, provided by the pre-paid Student Health Fee.

- **Student Health Center.** A Student Health Nurse is available on campus, **but you must make an appointment.** In addition, Pioneers Memorial Healthcare District provides basic health services for students, such as first aid and care for minor illnesses. Contact the IVC **Student Health Center** at 760-355-6128, **or when campus reopens**, visit Room 1536 for more information.
- **Mental Health Counseling Services.** Short-term individual, couples, family and group counseling services are available for currently enrolled students. Services are provided in a confidential, supportive, and culturally sensitive environment. Please contact the IVC Mental Health Counseling Services at 760-355-6310 for appointments, or **when campus reopens** visit Room 1536, for more information.

Veteran's Center

The mission of the **IVC Military and Veteran Success Center** is to provide a holistic approach to serving military/veteran students in three key areas: 1) Academics, 2) Health and Wellness, and 3) Camaraderie. The Center also serves as a central hub that connects military/veteran students, as well as their families, to campus and community resources. The goal is to ensure a seamless transition from military to civilian life. When campus reopens, the Center is in Building 600 (Office 624), telephone 760-355-6141.

Extended Opportunity Program and Services (EOPS)

The Extended Opportunity Program and Services (EOPS) offers services such as priority registration, book grants, transportation assistance, individualized counseling, tutoring, and community referrals to eligible students. Our staff is available to assist and support students in navigating personal, psychological, academic, and/or career-related issues through empathy, cultural-competence, and a commitment to equity and social justice. Also under the umbrella of EOPS is the CARE (Cooperative Agency Resources for Education) Program, designed to serve single parents and assist with addressing issues that are particular to this population. Students that are single parents receiving TANF/Cash Aid assistance may qualify for our CARE program. For additional information about the EOPS or CARE Programs please contact our Program Office 760.335-6407 and/or visit our Program website www.imperial.edu/students/eops for eligibility criteria and application procedures. We look forward to serving you! - EOPS/CARE Staff

Student Equity Program

The Student Equity & Achievement Program strives to improve Imperial Valley College's success outcomes, particularly for students who have been historically underrepresented and underserved. The college identifies strategies to monitor and address equity issues, making efforts to mitigate any disproportionate impact on student success and achievement. Our institutional data provides insight surrounding student populations who historically, are not fully represented. SEA addresses disparities and/or disproportionate impact in student success across disaggregated student equity groups including gender, ethnicity, disability status, financial need, LGBTQIA+, Veterans, foster youth, homelessness, and formerly incarcerated students. The SEA Program also houses IVC's Homeless Liaison, Foster Youth Liaison, Formerly Incarcerated Liaison, and Military Affiliated Liaison, who provide direct services and

referrals to students in need. SEA strives to empower students experiencing insecurities related to food, housing, transportation, textbooks, and shower access. We recognize that students who struggle meeting their basic needs are also at an academic and economic disadvantage, creating barriers to academic success and wellness. We strive to remove barriers that affect IVC students' access to enrollment, education, degree and certificate completion, and the ability to transfer to a university. SEA also provides outreach at local Imperial County high schools to ensure graduating seniors are successfully matriculated into the college and have a strong support system. Please visit us online for assistance at <https://imperial.edu/students/student-equity-and-achievement/> or call us at 760-355-6465 or when campus reopens, visit Building 401.

What if I cannot afford food, books, or need other help?

We have many resources that are available to you. Please tell us what you need by submitting your request(s) here: <https://imperial.edu/students/student-equity-and-achievement/>

Student Rights and Responsibilities

Students have the right to experience a positive learning environment and to due process of law. For more information regarding student rights and responsibilities, please refer to the IVC [General Catalog](#).

Information Literacy

Imperial Valley College is dedicated to helping students skillfully discover, evaluate, and use information from all sources. The IVC [Library Department](#) provides numerous [Information Literacy Tutorials](#) to assist students in this endeavor.

Anticipated Class Schedule/Calendar

This calendar is subject to change, but not without fair notice.

MODULES <i>Dates</i>	<i>Agenda/Topics</i>	Exercises Reading pages and Instructions
<i>Week</i>		
MODULE 1 August 16- September 10		
1	Introduction to the Class Lab 1: Metric/ English Conversions Math Skills Practice (worth 5 points) additional from lab	1 pgs. 1-4 Parts I and II Appendix II
2	Lab 2: Location and Time Zones	2 pgs. 5-8 3 pgs. 9-14
3	Lab 3: Map Scale and Projections	4 pgs. 15-18 5 pgs. 19-24
4	Lab 4: Isolines, Earth-Sun Relations, and Solar Angle	6 pgs. 25-28 9 pgs. 47-50 10 pgs. 51-56
	Assignments Due Friday September 10	
	Lab 1: Metric Conversions and Math Skills Lab 2: Location and Time Zones Lab 3: Map Scale and Projections Lab 4: Isolines, Earth-Sun Relations, and Solar Angle Exams 1: Labs 1-4	
MODULE 2 September 13-October 8		
5	Lab 5: Insolation and Temperature Patterns	11 pgs. 57-64 12 pgs. 65-70
6	Lab 6: Pressure and Wind	13 pgs. 71-76 14 pgs. 77-82
7	Lab 7: Humidity	15 pgs. 83-92
8	Lab 8: Adiabatic Processes	16 pgs. 93-98
	Assignments Due Friday October 8	
	Lab 5: Insolation and Temperature Patterns Lab 6: Pressure and Wind Lab 7: Humidity Lab 8: Adiabatic Processes Exam #2 Labs 5-8	

MODULE 3 October 11- November 5		
9	Lab 9: Climate and Climate change	23 pgs. 145-164 24 pgs. 165-188
10	Lab 10: Contour Lines and Topographic Maps	28 pgs. 197-202 29 pgs. 203-206 30 pgs. 207-210
11	Lab 11: Plate Tectonics	33 pgs. 223-232
12	Lab 12 Volcanoes and Volcanic Calderas	34 pgs. 233-240 35 pgs. 241-246
	Assignments Due Friday November 5	
	Lab 9: Climate and Climate change Lab 10: Contour Lines and Topographic Maps Lab 11: Plate Tectonics Lab 12 Volcanoes and Volcanic Calderas Exam #3 Labs 9-12	
MODULE 4 November 8- December 10		
13	Lab 11: Drainage Basins and Flood Plains	39 pgs. 269-276 40 pgs. 277-284
14	Lab 12: Desert and Sand Dunes	45 pgs. 307-316 46 pgs. 317-322
15	Lab 13 Coastal Landforms	49 pgs. 343-352
	Assignments Due Friday December 10	
	Lab 11: Drainage Basins and Flood Plains Lab 12: Desert and Sand Dunes Lab 13 Coastal Landforms Final Exam #4 labs 11-13 (Not cumulative)	

Tentative, subject to change but not without prior notice