COVER / SIGNATURE SHEET
for Undergraduate Program Proposals

TYPE OF PROPOSAL (check one): ☐ New Academic Major* ☐ New Academic Minor
☒ Revision of Existing Major** ☐ Revision of Existing Minor

*Append SUNY Form 2A *New Undergraduate Degree Program Proposal*
**Append SUNY Form 3A *Program Revision Proposal: Changes to an Existing Program*

Both forms can be found at http://system.suny.edu/academic-affairs/acaproplan/app/forms/.

PROGRAM TITLE: Environmental Studies

PROPOSING DEPARTMENT/PROGRAM: Geography and Environmental Studies

PROPOSING SCHOOL/COLLEGE (if interdisciplinary, check all that apply):

☐ Business ☐ Fine & Performing Arts ☐ Science & Engineering
☐ Education ☒ Liberal Arts & Sciences

RECOMMENDATIONS TO APPROVE:
*By signing below, you confirm that **consultation with the Library Collections Developer** has taken place and that there are **sufficient faculty, financial, facility and equipment resources** to support and sustain the proposed new or revised program.*

Department Chair(s)/Program Director(s): _____ Date 7 April 2023

_____ Date _____

Chair(s), School/College Governing Body(ies): _____ Date April 21, 2023
(if applicable)

_____ Date _____

Academic Dean(s): _____ Date 4/24/23

_____ Date _____

Chair, Curriculum Committee: Jeff Miller Date 4/26/2023

FACULTY SENATE APPROVAL:

Presiding Officer of the Faculty: _____ Date _____

PROVOST/VICE PRESIDENT FOR ACADEMIC AFFAIRS' APPROVAL:

Vice President: _____ Date _____

Program Revision Proposal: Changes to an Existing Program

Form 3A

Version 2016-10-13

SUNY approval and SED registration are required for many changes to registered programs. To request a change to a registered program leading to an undergraduate degree, a graduate degree, or a certificate that does not involve the creation of a new program,[1] a Chief Executive or Chief Academic Officer must submit **a signed cover letter and this completed form** to the SUNY Provost at *program.review@suny.edu*.

Section 1. General Information		
a) Institutional Information	Institution's 6-digit SED Code:	**233500**
	Institution's Name:	**SUNY New Paltz**
	Address:	***1 Hawk Drive, New Paltz, NY 12561***
b) Program Locations	List each campus where the entire program will be offered (with each institutional or branch campus 6-digit SED Code): **233500**	
	List the name and address of off-campus locations (i.e., extension sites or extension centers) where courses will offered, **or check here [X] if not applicable**:	
c) Registered Program to be Changed	Program Title:	**Environmental Studies**
	SED Program Code	**41259**
	Award(s) (e.g., A.A., B.S.):	**B.A.**
	Number of Required Credits:	Minimum [**120**] If tracks or options, largest minimum [ ]
	HEGIS Code:	**4903**
	CIP 2010 Code:	**03.0103**
	Effective Date of Change:	**8/28/2023**
	Effective Date of Completion[2]	**12/31/2026**
d) Campus Contact	Name and title: **Larry McGlinn, Associate Professor and Program Director** Telephone and email:	
e) Chief Executive or Chief Academic Officer Approval	**Signature affirms that the proposal has met all applicable campus administrative and shared governance procedures for consultation, and the institution's commitment to support the proposed program.** ***E-signatures are acceptable.*** Name and title: Signature and date:	
	If the program will be registered jointly[3] with one or more other institutions, provide the following information for each institution:	
	Partner institution's name and 6-digit SED Code: **N/A** Name, title, and signature of partner institution's CEO (or **append** a signed letter indicating approval of this proposal):	

Section 2. Program Information

[1] To propose changes that would create a new program, Form 3B, Creating a New Program from Existing Program(s), is required.

[2] If the current program(s) must remain registered until enrolled students have graduated, the anticipated effective date by which continuing students will have completed the current version of the program(s).

[3] If the partner institution is non-degree-granting, see SED's CEO Memo 94-04.

Section 2.1. Changes in Program Content

[ ] No changes in program content. *Proceed to Section 2.2.*

a) Check all that apply. Describe each proposed change and why it is proposed.

[ ] Cumulative change from SED's last approval of the registered program of one-third or more of the minimum credits required for the award (e.g., 20 credits for associate degree programs, 40 credits for bachelor's degree programs)
[ ] Changes in a program's focus or design
[X] Adding or eliminating one or more options, concentrations or tracks
[ ] Eliminating a requirement for program completion (such as an internship, clinical placement, cooperative education, or other work or field-based experience). Adding such requirements must remain in compliance with SUNY credit cap limits.
[ ] Altering the liberal arts and science content in a way that changes the degree classification of an undergraduate program, as defined in Section 3.47(c)(1-4) of Regents Rules

The Department of Geography & Environmental Studies is revising the Environmental Studies major in five ways:

- **We are adding a technical course to the core, one of these three:**
  GEO343 Remote Sensing,
  GEO342 Digital Map Design, or
  GEO441 Geographic Information Systems Applications
- **We are deleting MAT145 Statistics and Public Policy as an option in the core, leaving MAT241 Introduction to Statistics and GEO344 Spatial Statistics as options.**
- **To balance the extra class in the core we are reducing interdisciplinary electives from four to three.**
- **We are including new physical-science and interdisciplinary elective options: GEO322 Geography of Water Resources in the physical science electives, and ANT310 Bioarcheology of Food, GEO314 Issues in Urban Planning, and GEO432 Climate Change and Society in the interdisciplinary electives. GEO431 Natural Resource Management will be removed (it is being taken out of the course rotation).**
- **We are changing the core requirement so that any of four Geography courses can satisfy the requirement currently fulfilled by only GEO333 Advanced People-Environments Geography. This will facilitate easier advising, more prompt graduation and less workflows.**

The primary reason we are making these changes is academic rigor. Over the first three semesters of the Environmental Studies major discussions within the department centered on technical rigor. There is agreement that the major is light on technology and quantitative techniques. Thus, we are proposing to add an additional techniques class to the core, and we are dropping MAT145 as a quantitative class in the core. The effort to add academic rigor to the major dovetails with another reason for making curricular changes, i.e. that potential employers and graduate schools will look at a more technically demanding program more favorably. We have gotten feedback from both Geography alumni and recruiters that a stronger technical background makes our graduates significantly better job candidates.

The Department of Geography & Environmental Studies has put great value on the interdisciplinary nature of the Environmental Studies major. We have sought out and incorporated as many environmental courses from other departments as possible, but these courses have been relatively scarce. We are addressing this by reducing the number of interdisciplinary electives to three, still with no more than two from any one department, and by adding three elective courses, one from Anthropology and two from Geography and Environmental Studies. This will streamline advising and improve the availability of courses for students to finish their degrees on time.

b) Provide a side-by-side comparison of all the courses in the existing and proposed revised program that clearly indicates all new or significantly revised courses, and other changes.

Current Major Plan: 41-44 credits	Proposed Revision: 42-45 credits
Required Core Courses (20 credits) GEO203 People-Environments Geography (3) GEO333 Advanced People-Environments Geography (3) GEO341 Intro to Geographic Information Systems (4) POL311 American Environmental Politics (3) GEO482 Environmental Studies Senior Seminar (1) *Select one:* SOC317 Environmental Sociology (3) SOC450 Sociology of Food & Agriculture (3) *Select one:* MAT145 Statistics & Public Policy (3) MAT241 Introduction to Statistics (3) GEO241 Spatial Statistics (3)	**Required Core Courses (24 credits) = 4-credit increase** GEO203 People-Environments Geography (3) GEO341 Intro to Geographic Information Systems (4) POL311 American Environmental Politics (3) GEO482 Environmental Studies Senior Seminar (1) *Select one:* SOC317 Environmental Sociology (3) SOC450 Sociology of Food & Agriculture (3) *Select one:* **one elective option removed** ~~**MAT145 Statistics & Public Policy (3)**~~ MAT241 Introduction to Statistics (3) GEO**344** Spatial Statistics (3) – **course renumbered** ***Select one:*** **technical elective added to core (4 cr)** **GEO342 Digital Map Design (4)** **GEO343 Remote Sensing (4)** **GEO441 GIS Applications (4)** ***Select one:*** **upper-division GEO elective added (3 cr)** **GEO331 Gender and Environment (3)** **GEO332 Geography, Health and Environment (3)** **GEO333 Advanced People-Environments Geography (3)** **GEO432 Climate Change and Society (3)**
Physical Science Courses (9-12 credits) *Select three:* BIO120 Global Change Biology (3) *or* BIO201 + BIO211 Gen Biology I (3) + Gen Bio I Lab (1) CHE100 Environmental Chemistry (3) *or* CHE201 + CHE211 Gen Chem I (3) + Gen Chem I Lab (1) EGG250 Energy and the Environment (3) GEO202 Physical Geography (3) GEO321 Geography of Soils (3) GLG201 + GLG211 Phys Geology (3) + Phys Geology Lab (1)	**Physical Science Courses (9-12 credits) - option added** *Select three:* BIO120 Global Change Biology (3) *or* BIO201 + BIO211 Gen Biology I (3) + Gen Bio I Lab (1) CHE100 Environmental Chemistry (3) *or* CHE201 + CHE211 Gen Chem I (3) + Gen Chem I Lab (1) EGG250 Energy and the Environment (3) GEO202 Physical Geography (3) GEO321 Geography of Soils (3) **GEO322 Geography of Water Resources (3)** GLG201 + GLG211 Phys Geology (3) + Phys Geology Lab (1)

Interdisciplinary Electives (12 credits) *Select four, with no more than two from the same department:* ARH354 Nature & Science in 19th-Cent. American Art (3) CMM326 Environmental Communication (3) ECO405 International Energy Economics (3)	**Interdisciplinary Electives (9 credits) options added, one removed; required credits reduced** *Select **three**, with no more than two from the same department:* ***ANT310* Bioarcheology of Food (3)** ARH354 Nature & Science in 19th-Cent. American Art (3) CMM326 Environmental Communication (3) ECO405 International Energy Economics (3)
GEO331 Gender and Environment (3) GEO332 Geography, Health and Environment (3) GEO431 Natural Resource Management (3) PHI303 Environmental Ethics (3) POL316 American Public Policies (3) SOC317 Environmental Sociology *or* SOC450 Sociology of Food & Agriculture (3) HIS376 Environmental History of Latin America (3)	**GEO314 Issues in Urban Planning (3)** GEO331 Gender and Environment (3) GEO332 Geography, Health and Environment (3) **GEO432 Climate Change and Society (3)** ~~**GEO431 Natural Resource Management (3)**~~ PHI303 Environmental Ethics (3) POL316 American Public Policies (3) SOC317 Environmental Sociology *or* SOC450 Sociology of Food & Agriculture (3) HIS376 Environmental History of Latin America (3)

c) For each new or significantly revised course, **provide** a syllabus at the end of this form, and, on the ***SUNY Faculty Table*** provide the name, qualifications, and relevant experience of the faculty teaching each new or significantly revised course. NOTE: *Syllabi for all courses should be available upon request. Each syllabus should show that all work for credit is college level and of the appropriate rigor. Syllabi generally include a course description, prerequisites and corequisites, the number of lecture and/or other contact hours per week, credits allocated (consistent with SUNY policy on credit/contact hours), general course requirements, and expected student learning outcomes.*

d) What are the additional costs of the change, if any? If there are no anticipated costs, explain why.

The department does not anticipate additional costs based on the changes we are making here. We are simply applying classes that are regularly offered to the major. We may see additional costs due to the popularity of the major as we may have to increase the frequency of our upper-division offerings for our majors to graduate on time. This could make it difficult to fulfill our commitment to GE with the limited faculty we have currently.

Section 2.2. Other Changes

Check all that apply. Describe each proposed change and why it is proposed.

N/A

[ ] Program title
[ ] Program award
[ ] Mode of delivery
NOTES: *(1) If the change in delivery enables students to complete 50% of more of the program via distance education, submit a Distance Education Format Proposal* as part of this proposal. *(2) If the change involves adding an accelerated version of the program that impacts financial aid eligibility or licensure qualification, SED may register the version as a separate program.*
[ ] Format change(s) (e.g., from full-time to part-time), based on SED definitions, for the **entire** program
1) State proposed format(s) and consider the consequences for financial aid
2) Describe availability of courses and any change in faculty, resources, or support services.
[ ] A change in the total number of credits in a certificate or advanced certificate program
[ ] Any change to a registered licensure-qualifying program, or the addition of licensure qualification to an existing program. **Exception:** Small changes in the required number of credits in a licensure-qualifying program that do not involve a course or courses that satisfy one of the required content areas in the profession.

Section 3. Program Schedule and Curriculum

a) For **undergraduate programs**, complete the ***SUNY Undergraduate Program Schedule*** to show the sequencing and scheduling of courses in the program. If the program has separate tracks or concentrations, complete a ***Program Schedule*** for each one.

NOTES: *The* ***Undergraduate Schedule*** *must show* ***all curricular requirements*** *and demonstrate that the program conforms to SUNY's and SED's policies.*

- *It must show how a student can complete all program requirements within SUNY credit limits, unless a longer period is selected as a format in Item 2.1(c): two years of full-time study (or the equivalent) and 64 credits for an associate degree, or four years of full-time study (or the equivalent) and 126 credits for a bachelor's degree. Bachelor's degree programs should have at least 45 credits of upper division study, with 24 in the major.*
- *It must show how students in A.A., A.S. and bachelor's programs can complete, within the first two years of full-time study (or 60 credits), no fewer than 30 credits in approved SUNY GER courses in the categories of Basic Communication and Mathematics, and in at least 5 of the following 8 categories: Natural Science, Social Science, American History, Western Civilization, Other World Civilizations, Humanities, the Arts and Foreign Languages*
- *It must show how students can complete Liberal Arts and Sciences (LAS) credits appropriate for the degree.*
- *When a SUNY Transfer Path applies to the program, it must show how students can complete the number of SUNY Transfer Path courses shown in the Transfer Path Requirement Summary within the first two years of full-time study (or 60 credits), consistent with SUNY's Student Seamless Transfer policy and MTP 2013-03.*
- *Requests for a program-level waiver of SUNY credit limits, SUNY GER and/or a SUNY Transfer Path require the campus to submit a Waiver Request –with compelling justification(s).*

EXAMPLE FOR ONE TERM: Undergraduate Program Schedule

Term 2: Fall 20xx	Credits per classification						
Course Number & Title	**Cr**	**GER**	**LAS**	**Maj**	**TPath**	**New**	**Prerequisite(s)**
ACC 101 Principles of Accounting	4			4	4		
MAT 111 College Mathematics	3	M	3	3			MAT 110
CMP 101 Introduction to Computers	3						
HUM 110 Speech	3	BC	3			X	
ENG 113 English 102	3	BC	3				
Term credit total:	16	6	9	7	4		

b) *For* ***graduate programs****, complete the* ***SUNY Graduate Program Schedule****. If the program has separate tracks or concentrations, complete a* ***Program Schedule*** *for each one.*

NOTE: *The* ***Graduate Schedule*** *must include all curriculum requirements and demonstrate that expectations from Part 52.2(c)(8) through (10) of the Regulations of the Commissioner of Education are met.*

SUNY Undergraduate Program Schedule (*OPTION: You can paste an Excel version of this schedule AFTER this line, and delete the rest of this page.)* **Program/Track Title and Award: Environmental Studies, B.A.**

a) Indicate **academic calendar type**: [X] Semester [ ] Quarter [ ] Trimester [ ] Other (describe):

b) **Label each term in sequence**, consistent with the institution's academic calendar (e.g., Fall 1, Spring 1, Fall

c) **Name of SUNY Transfer Path, if one exists: _____ See Transfer Path Requirement Summary for details**

d) Use the table to show **how a typical student may progress through the program**; copy/expand the table as needed. **Complete all columns that apply to a course.**

FALL 1								SPRING 1							
Course Number & Title	Cr	GER	LAS	Maj	T Path	New	Co/ Prereq	Course Number & Title	Cr	GER	LAS	Maj	TPath	New	Co/ Prereq
ENG160 Composition I (pre-req, if needed)	3		3					ENG170 Writing & Rhetoric (or 3-credit transfer equivalent)	3-4	C	3-4				ENG160 or place-ment
GE Elective (LAS)	3	H	3					GEO203 People-Environments Geography (core)	3	SS	3	3			
GE Elective (LAS)	3	US	3					GE Elective (LAS)	3	AR	3				
Physical science course #1 / GE (LAS)	3-4	NS1	3-4	3-4				GE Elective (LAS)	3	D	3				
GE Elective (LAS)	3	WH	3					Physical science course #2 / GE (LAS)	3-4	NS2	3-4	3-4			
Term credit totals:	15-16	12-13	15-16	3-4				Term credit totals:	15-17	15-17	15-17	6-7			
FALL 2								SPRING 2							
GE Elective (LAS)	3	WL 1	3					GE Elective (LAS)	3	WL2	3				
Statistics prereq, if needed (GE Math) or elective	3		3					Statistics course (core): GEO344 Spatial Statistics or MAT241 Intro to Statistics	3	M	3	3			Math Placement Level 3 or MAT120 or MAT152
Elective	3		0-3					Physical science course #3	3-4		3-4	3-4			
Elective	3		0-3					Upper-division elective	3		3				

Elective	**3**		**0-3**						**SOC100 Intro to Sociology, if needed for prereq, or elective**	**3**		**3**				
Term credit totals:	**15**	**3**	**6-15**						**Term credit totals:**	**15-16**	**6**	**15-16**	**6-7**			
FALL 3									**SPRING 3**							
SOC317 Environmental Sociology or SOC450 Soc of Food & Agric (core)	**3**		**3**	**3**			**SOC100**		**Interdisciplinary elective #2 (upper div)**	**3**		**3**	**3**			
GEO333 Advanced People-Environments Geography (core)	**3**		**3**	**3**					**GEO342 Digital Map Design/GEO343 Remote Sensing/ GEO441 Geog Info Sys Applics (core)**	**4**		**4**	**4**			**GEO341**
Interdisciplinary elective #1 (upper div)	**3**		**3**	**3**					**Upper-division elective**	**3**		**0-3**				
Upper-division elective	**3**		**0-3**						**Upper-division Elective**	**3**		**0-3**				
GEO341 Intro to Geog Info Sys (core)	**4**		**4**	**4**					**Diversity elective**	**3**		**3**				
Term credit totals:	**16**		**13-16**	**13**					**Term credit totals:**	**16**		**10-16**	**7**			
FALL 4									**SPRING 4**							
POL311 Amer Environ'l Politics (core)	**3**		**3**	**3**					**GEO482 Environ'l Stud Sr Sem (core)**	**1**		**1**	**1**		**N**	
Interdisciplinary elective #3 (upper div)	**3**		**3**	**3**					**Upper-division electives**	**10**		**10**				
Electives	**9**		**0-9**						**Writing Intensive elective**	**3**		**3**				
Term credit totals:	**15**		**6-15**	**6**					**Term credit totals:**	**14**		**14**	**1**			

Program Totals (in credits):	Total Credits: 121*-124	SUNY GER: 37-39	LAS: 95-124	Major: 42-45	Elective & Other: 52	Upper Division: 49 (min.)	Upper Division Major: 27 (min.)	Number of SUNY GER Categories: 10

KEY Cr: credits **GER:** SUNY General Education Requirement (Enter Category Abbreviation) **LAS:** Liberal Arts & Sciences (Enter credits) **Maj:** Major requirement (Enter credits) **TPath:** SUNY Transfer Path Courses (Enter credits) **New:** new course (Enter X) **Co/Prerequisite(s):** list co/prerequisite(s) for the noted courses **Upper Division:** Courses intended primarily for juniors and seniors **SUNY GER Category Abbreviations:** American History (AH), Basic Communication (BC), Foreign Language (FL), Humanities (H), Math (M), Natural Sciences (NS), Other World Civilizations (OW), Social Science (SS), The Arts (AR), Western Civilization (WC)

***Transfer students who arrive with all General Education requirements fulfilled may complete the degree with 120 credits. The 121 minimum total credits shown here reflects New Paltz's 4-credit GER Basic Communication course.**

SUNY Graduate Program Schedule ***OPTION:*** ***You can insert an Excel version of this schedule AFTER this line, and delete the rest of this page.)***

Program/Track Title and Award:_____ N/A

a) Indicate **academic calendar** type: [ ] Semester [ ] Quarter [ ] Trimester [ ] Other (describe):

b) **Label each term in sequence**, consistent with the institution's academic calendar (e.g., Fall 1, Spring 1, Fall 2)

c) Use the table to show **how a typical student may progress through the program**; copy/expand the table as needed.

d) Complete the last row to show program totals and comprehensive, culminating elements. **Complete all columns that apply to a course.**

Term 1:				**Term 2:**			
Course Number & Title	**Credits**	**New**	**Co/Prerequisites**	**Course Number & Title**	**Credits**	**New**	**Co/Prerequisites**
Term credit total:				Term credit total:			
Term 3:				**Term 4:**			
Course Number & Title	**Credits**	**New**	**Co/Prerequisites**	**Course Number & Title**	**Credits**	**New**	**Co/Prerequisites**
Term credit total:				Term credit total:			
Term 5:				**Term 6:**			
Course Number & Title	**Credits**	**New**	**Co/Prerequisites**	**Course Number & Title**	**Credits**	**New**	**Co/Prerequisites**
Term credit total:				Term credit total:			
Term 7:				**Term 8:**			
Course Number & Title	**Credits**	**New**	**Co/Prerequisites**	**Course Number & Title**	**Credits**	**New**	**Co/Prerequisites)**
Term credit total:				Term credit total:			

Program Total:	**Total Credits:**	**Identify the required comprehensive, culminating element(s), such as a thesis or examination, including course number(s), if applicable:**

New: X if new course **Prerequisite(s)**: list prerequisite(s) for the listed courses

Section 4. SUNY Faculty Table

a) If applicable, provide information on faculty members who will be teaching new or significantly revised courses in the program. Expand the table as needed.

b) **Append** at the end of this document position descriptions or announcements for each to-be-hired faculty member

(a)	(b)	(c)	(d)	(e)	(f)
Faculty Member Name and Title and/or Rank at the Institution (Include and identify Program Director.)	**% of Time Dedicated to This Program**	**Program Courses Which May Be Taught (Number and Title)**	**Highest and Other Applicable Earned Degrees (include College or University)**	**Discipline(s) of Highest and Other Applicable Earned Degrees**	**Additional Qualifications: List related certifications and licenses and professional experience in field.**
PART 1. Full-Time Faculty					
Lawrence A McGlinn	**100**	**GEO344 – Spatial Statistics**	**PhD, Penn State Univ**	**Geography**	
		GEO342 – Digital Map Design			
		GEO432 – Climate Change and Society			
Huicheng Chien	**100**	**GEO322 – Geography of Water Resources**	**PhD, Univ at Buffalo**	**Geography**	
		GEO441 – GIS Applications			
Scott LeVine	**92**	**GEO214 – Intro to Urban and Regional Planning**	**PhD, Univ College, London**	**Transport Studies**	
Kenneth Nystrom	**33**	**ANT310 – Bioarcheology of Food**	**PhD, Univ of New Mexico**	**Anthropology**	
Part 2. Part-Time Faculty					
Part 3. To-Be-Hired Faculty (List as TBH1, TBH2, etc., and provide expected hiring date instead of name.)					

ANT 310: Bioarchaeology of Food (3 credits)
Spring Semester 2023

Instructor: Ken Nystrom
Class Time: Tues & Fri 8:00 – 9:15
Office Hours: Tues & Fri 9:30 – 10:30 or by appointment
Email: nystromk@newpaltz.edu

COURSE DESCRIPTION

Students will learn how anthropologists reconstruct diet and how this informs on human evolution, social organization, and health. The class begins with a discussion on the biochemical nature of food and nutrients. We then move on to consider the associations between diet and morphological and behavioral adaptations as observed in fossil hominins and primates. Next, we examine the relationship between human social organization and subsistence strategies and the impact of the transition to agriculture. Interspersed within this material, the students will become familiar with the methodologies scientists use to reconstruct dietary behavior including experimental archaeology, zooarchaeology, microwear analysis, and stable isotope analyses.

Student Learning Objectives

Following completion of the course, students will be able to:
(1) Identify the basic components of nutrition and what sources of food fulfill these requirements
(2) Identify the relationship between diet and morphological and behavioral features of organisms
(3) Discuss the advantages and limitations associated with the scientific methods utilized to reconstruct diet
(4) Draw conclusions based on data derived from these methods about the nature of an organism's diet
(5) Discuss and evaluate the basic models of hominin dietary adaptations
(6) Identify the morphological and genetic consequences associated with domestication
(7) Identify the major shifts in diet and discuss their impact on human biocultural evolution
(8) Critically evaluate popular sources/information on the nature of prehistoric diet

GRADING

Exams (3 @ 50 pts each): There will be 2 exams during the semester and 1 final cumulative exam during finals week. Tests will cover lecture material, readings, and videos and will be a mixture of T/F, multiple choice, definitions, and short answer essays.

Quizzes (9 @ 5 pts each): These quizzes are effectively record your participation and attendance in class. They will be short and primarily focused to see if you have completed the reading for that week.

Food Project

This project is an opportunity for you to explore something that interests you about food – this could be anything from the benefits of veganism to food insecurity. There are 3 parts to the assignment and there will be Turnitin links for each part in the Food Project link on the main Blackboard menu.

Food Topic and Preliminary Bibliography (10 pts)*:* You have to let me know what your topic will be by February 25 at 11:59 pm (Week 5). You have to describe your topic (approx.. 4 – 5 sentences) and include 5 references from peer-reviewed journals.

Written summary and Bibliography (20 pts): You need to write a short summary (approx.. 2-3 pages) of your research. This written summary should organize the information you collected into a coherent, logical structure – imagine you are explaining your topic/research to a friend or as the 'script' for your

presentation. The final bibliography should include a minimum of 10 references. Due May 17 by 12:15 am.

Food Infographic (20 pts) *and Presentation* (10 pts)*:* Rather than doing a standard powerpoint presentation, I want you to produce an infographic on your topic. I will post a handout that provides some inspiration and some online resources for making good infographics. If you have access to Powerpoint or Google Slides you can use those to make an infographic. The website Canva.com is all about putting together infographics (and has a free version). The final version of your infographic will be due May 17 at 12:15 am.

Late assignments will be penalized a letter grade (e.g., A to an A-, etc) for each day the assignment is not received.

Point Summary

Quizzes (9 @ 5 pts each)	= 45 pts
Exams (3 @ 50 pts each)	= 150 pts
Food Project	= 60 pts
TOTAL	= 255 pts

Letter grades will be based upon a straight percentage of the total number of points possible based upon the following scale.

100 – 93%	A	79.9 – 77%	C+	62.9 – 60%	D-
92.9 – 90	A-	76.9 – 73	C	59.9 >	F
89.9 – 87%	B+	72.9 – 70%	C-		
86.9 – 83	B	69.9 – 67%	D+		
82.9 –80%	B-	66.9 – 63	D		

READINGS

All readings will be posted in .pdf format on Blackboard and it is the responsibility of the student to keep up with this reading and have it done for the class period indicated.

OTHER INFORMATION

Academic Integrity: Students are expected to maintain the highest standards of honesty in their college work. Cheating, forgery, and plagiarism are serious violations of academic integrity. Students found guilty of any violation of academic integrity are subject to disciplinary action, up to and including expulsion. New Paltz's undergraduate and graduate academic integrity policies are published in the respective catalogs. Sojourner Truth Library's website contains several excellent resources to help with avoiding plagiarism.

ADA statement: Students needing classroom and/or testing accommodations related to a disability should contact the Disability Resource Center (Haggerty Administration Building, Room 205, 845-257-3020) as close as possible to the beginning of the semester. The DRC will then provide students' instructors with Accommodation Notifications verifying the need for accommodations. Specific questions about services and accommodations may be directed to Deanna Knapp, Assistant Director (knappd@newpaltz.edu) or Jean Vizvary, Director (vizvaryj@newpaltz.edu).

Veteran & Military Services statement: New Paltz's Office of Veteran & Military Services (OVMS) is committed to serving the needs of veterans, service members and their dependents during their transition from military life to student life. Student veterans, service members or their dependents who need assistance while

attending SUNY New Paltz may refer to OVMS's website; call 845-257-3120, -3124 or -3074; e-mail np-vms@newpaltz.edu; or stop by the Student Union, Room 100 South.

Computer and network policies statement: Users of New Paltz's computer resources and network facilities are required to comply with the Acceptable Uses and Privacy Policy and other institutional policies related to computer and internet access and usage.

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Student Evaluation of Instruction: The Fall 2023 end-of semester SEIs will be administered April 26 – May 10.

Important Dates

Jan 29: Last day to add course without late fee
Jan 30 – Feb 15: Late Registration/Course Drop
Feb 5: Last day to drop a course without "W" grade or fee
Feb 6 – Apr 2: Course Withdrawal Period ($20 fee)
Feb 20: President's Day - No class
Mar 3: Last day for changing Fall 2022 incompletes
Mar 13 - 17: Spring Break
Mar 21: Thursday classes meet
Apr 2: Last day for Course Withdrawal
Apr 5: Passover – no classes after 3 pm
Apr 6 – 7: Passover/Good Friday – no classes
Apr 12: Friday classes meet
May 10: Last day for student elected Satisfactory/Unsatisfactory option

COURSE SCHEDULE

	Tuesday	Friday
Week 1: Jan 24 & 27	Class meet-n-greet	Lecture #1: Introduction to the course
Week 2: Jan 31 & Feb 3	Lecture #2: Nutrition	Lecture #3 Teeth Read: Ungar Quiz #1
Week 3: Feb 7 & Feb 10	Lecture #4: Food Properties	Lecture #5: Overview of hominin evolution Quiz #2
Week 4: Feb 14 & Feb 17	Lecture #6: Models of early hominin diet Read: Aiello and Wheeler (1995)	Video: Did Cooking Make us Human? Wrangham et al (1999) Quiz #3
Week 5: Feb 21 & Feb 24	Lecture #7: Archaeological Evidence Read: Domínguez-Rodrigo and Pickering (2003)	**EXAM #1**
Week 6: Feb 28 & Mar 3	Lecture #8: Skeletal and dental morphology Read: Teaford and Ungar (2000)	Lecture #8: Dental microwear Teaford and Ungar (2000) Quiz #4
Week 7: Mar 7 & Mar 10	Lecture #9: Hominin dental microwear	Video: The Ancestral Human Diet Read: Grine et al (2012) *section on microwear only* Quiz #5
Week 8: Mar 14 & Mar 17	**SPRING BREAK**	
Week 9: Mar 21 & Mar 24	**NO TUESDAY CLASSES** **THURSDAY CLASSES MEET**	Lecture #10: Elemental and isotopic diet reconstruction Read: Ungar and Teaford Ch.
Week 10: Mar 28 & Mar 31	9 Lecture #11: Hominin stable isotopes Read: Grine et al (2012) *section on stable isotopes only*	**Exam #2**

	Quiz #6		
Week 11: Apr 4 & Apr 7	Lecture #12: The Neolithic Revolution Read: Zeder (2011) Quiz #7		**NO CLASS**
Week 12: Apr 11 & Apr 14	Lecture #12 Continued Video: Popped Secret: The Mysterious Origins of Corn	**WEDNESDAY APRIL 12: FRIDAY CLASSES MEET** Lecture #13: Biological consequences of the adoption of agriculture Read: Larsen (2006) Quiz #8	Lecture #13 Continued
Week 13: Apr 18 & Apr 21	Lecture #14: Modern Diet Read: Lambert (2009) Quiz #9		Lecture #14 continued
Week 14: Apr 25 & Apr 28	Infographic presentations		Infographic presentations
Week 15: May 2 & May 5	Infographic presentations		Infographic presentations
Week 16: May 9	Infographic presentations		NO CLASS
May 17 10:15 – 12:15 **Exam #3**			

Maintaining Public Health on Campus and in the Classroom (Fall 2022)

For students testing positive for COVID:

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For students exposed to COVID:

Current CDC and New York State DOH guidelines require that those who are not "up to date" with vaccinations (including having a booster when eligible) and who are exposed to COVID through a close contact must quarantine for five days after exposure. If documentation is required, see **Affirmation of Quarantine**.

Student Absence Policy:

Attendance is expected but not part of your grade.

Course Modality:

Seated

GEO214 Introduction to Urban Planning (Section 1)

Course Details

Credit Hours:

3

Course Modality:

- *Seated*
- *Tuesdays/Fridays 11:00 to 12:15 AM*
- *Room location: VH 102*

Pre/Co-requisites:

None

Instructor Details

Instructor Name: Scott Le Vine

Instructor Email: levines@newpaltz.edu

Office Location: Science Hall #134

Office Hours: Fri 12:15 – 4:15 PM

Course Description

This course focuses on the fundamentals of urban and regional planning: history of planning, zoning and land use regulation, sub-disciplines of planning (environmental, transportation, etc.), governmental powers, and planning theory.

The course content covers a broad range of topics that introduce students to issues faced by practicing planners today. Real-world case studies will enrich the discussion of planning theory and regulation.

Student Learning Outcomes

Students will:

1. Describe the major concepts, theories, and practice of urban planning,
2. Identify and appropriately employ the standard methods used by urban planners,
3. Relate the contemporary discipline of urban planning to its historical development,
4. Identify and critically analyze the principal planning issues raised by proposed development projects, and
5. Analyze the impacts of emerging technologies on decision-making in planning.

This course meets the requirements for the Social Sciences category under General Education 5 (GE5). For reference, the Student Learning outcomes for this GE5 category are that students will:

- *describe major concepts and theories of at least one discipline in the social sciences* (see Course Student Learning Outcome #1 above); and
- *demonstrate an understanding of the methods social scientists use to explore social phenomena* (see Course Student Learning Outcome #2 above).

Textbook

Levy, J.M. (2017) *Contemporary Urban Planning, 11th Edition*. Pearson.

Grading Information

Grading information

The course comprises online content delivered in an asynchronous mode. Participation involves engagement with the Lectures and Readings, as well as performing required assignments via Brightspace. The lectures (supported by the associated content in the readings) will form the material on which you will be assessed. The coursework is intended to help you prepare for the tests; contact me ASAP if you find yourself struggling with the coursework.

The grading scheme is:

- Icebreaker activity: 3%
- Coursework #1 - #9: 3% each
- Write-Up #1: 10%
- Write-Up #2: 10%
- Midterm #1: 10%
- Midterm #2: 10%
- Final Exam: 30%

In the absence of extenuating circumstances (major illness, bereavement, etc.), assignments completed late will be marked down 25% per day for tardiness. In the event of genuine extenuating circumstances I will ask you to arrange for your Academic Advisor (or another responsible member of College staff or external professional that is acquainted with the matter) to write to me to confirm the circumstances.

Grade Scale (by percentage)

A	*100.00 – 93.00*	*A-*	*92.9 – 90.00*
B+	*89.9 – 87.10*	*B*	*87.00 – 83.00*
B-	*82.9 – 80.00*	*C+*	*79.9 – 77.10*
C	*77.00 – 73.00*	*C-*	*72.9 – 70.00*
D+	*69.9 – 67.10*	*D*	*67.00 – 60.00*
F	*Below 60*		

Last Day to Withdraw without Grade Penalty

Academic Year 2022 – 2023: Fall semester, November 3; Spring semester, April 2.

Campus Policies

Please be aware of the most **current Campus Policies** applicable to issues such as Academic Integrity, Computer/Network Use, Identity Verification, Accommodation of Individuals with Disabilities, Title IX, and Veteran & Military Services.

Student Evaluation of Instruction (SEI)
You are responsible for completing the Student Evaluation of Instruction (SEI) for this course and for all your courses with an enrollment of five (5) or more students. I value your feedback and use it to improve my teaching and planning. Please complete the online form during the appropriate period: Fall 2022, November 29 – December 12; Winter 2022-2023, January 11 – January 16; Spring 2023, April 24 – May 8.

Summary of Topics Covered and Course Schedule (subject to change as semester progresses)

Module 1: Urban Growth in America (Weeks 1-2)

Assignment(s)

- *Read Chapter 1: An Overview*
- *Read Chapter 2: The Urbanization of America*
- *View Lecture*
- *Coursework #1*
- *Estimated time on task: 9 hours*

Module 2: History of Planning, part 1 (Week 3)

Assignment(s)

- *Read Chapter 3: History of Planning, part 1*
- *View Lecture*
- *Coursework #2*
- *Estimated time on task: 9 hours*

Module 3: History of Planning, part 2 (Week 4)

Assignment(s)

- *Read Chapter 4: History of Planning, part 2*
- *View Lecture*
- *Coursework #3*
- *Estimated time on task: 9 hours*

Module 4: The Legal Basis of Planning (Week 5)

Assignment(s)

- *Read Chapter 5: The Legal Basis of Planning*
- *View Lecture*
- *Coursework #4*
- *Estimated time on task: 9 hours*

Midterm #1 (Week 6)

Module 5: Comprehensive Planning (Week 7)

Assignment(s)

- *Read Chapter 8: The Comprehensive Plan*
- *View Lecture*
- *Coursework #5*
- *Estimated time on task: 9 hours*

Module 6: Land Use Planning Tools (Week 8)

Assignment(s)

- *Read Chapter 9: The Tools of Land Use Planning*
- *View Lecture*
- *Coursework #6*
- *Estimated time on task: 9 hours*

Module 7: Write-Up #1 (Week 9)

Assignment(s)

- *View Lecture with detailed instructions for WU#1*
- *Attend/watch Planning Board meeting in a municipality of your choice (your voice of whether virtual or in-person)*
- *Prepare summary 2-3 page write-up of the meeting's activity: Who/What/When/Where/Why/How*
- *Estimated time on task: 9 hours*

Module 8: Urban Design (Week 10)

Assignment(s)

- *Read Chapter 10: Urban Design*
- *View Lecture*
- *Coursework #7*
- *Estimated time on task: 9 hours*

Midterm #2 (Week 11)

Module 9: Transportation Planning (Week 12)

Assignment(s)

- *Read Chapter 12: Transportation Planning*
- *View Lecture*
- *Coursework #8*
- *Estimated time on task: 9 hours*

Module 11: Growth Planning (Week 13)

Assignment(s)

- *Read Chapter 13: Growth Management, Smart Growth, Sustainable Development, and Planning for Catastrophe*

- *Coursework #9*
- *Estimated time on task: 9 hours*

Module 10: Write-Up #2 (Weeks 14-15)

Assignment(s)

- *View Lecture with detailed instructions for WU#2*
- *Select an Environmental Impact Statement prepared under NEPA*
- *Prepare summary* write-up (approx. 3-4 pages) describing the project, its sponsor, its impacts, and mitigation measures. Prepare an accompanying in-class presentation.
- *Estimated time on task: 18 hours*

Final Exam

Geography of Water resources (GEO 322, 3 credit hours)
Class meeting: Monday and Thursday, 2:00 – 3:15 PM at Science Hall 231

Maintaining Public Health on Campus and in the Classroom (Fall 2022)

For students testing positive for COVID:

Per current guidance from the CDC and the New York State Department of Health (DOH), those who have COVID must isolate for five days after becoming symptomatic or testing positive and must wear a well-fitted mask on days 6-10. Students must report positive cases to the Student Health Center (845-257-3400 or **healthservice@newpaltz.edu**) as soon as possible. Notices of positive cases reported to the Student Health Center will continue to be sent to the student's in-person faculty to validate excused absences.

For students exposed to COVID:

Current CDC and New York State DOH guidelines require that those who are not "up to date" with vaccinations (including having a booster when eligible) and who are exposed to COVID through a close contact must quarantine for five days after exposure. If documentation is required, see **Affirmation of Quarantine**.

Contact Information

Instructor: Huicheng Chien
Office: Science Hall 132
Email: chienh@newpaltz.edu
Telephone: 845-257-2997

Office Hours: Monday and Thursday 10:00- 10:45 am. Wednesday 11:00-12:00 pm at the SH132. The meetings could be virtual through e-mail or Webex as well.

Course Description

Water is essential for life. Availability of an adequate supply of water of acceptable quality has been identified as one of the pressing problems facing many countries in the next decades. In this course, we will cover a variety of water resources subjects, such as occurrence, use, management, and conservation of water and water resources in the U.S. and around the world. We further discuss the impacts of floods, droughts, dams, and water usage on environment, economy, and society. Issues including water quality, water pollution, water resource regulation, impacts of climate change on water resources, and water sustainability will be explored in this course too. The course's overall goal is to prepare student to understand 1) the basic hydrological principals for water resources, 2) water quality and water resources issues, 3) the environmental, societal, and political impacts on water resources,

Student Learning Outcomes

Through active engagement in this course, students will be able to:

- describe, with a geographic perspective, how and why freshwater is distributed unevenly in space and time around the Earth.

- identify the unique characteristics of freshwater and the challenges facing water management in varied climate types around the world
- evaluate the effects of the availability, quantity, and quality of water on water resource management decisions made in human society.
- apply scientific method components including observation, hypothesis development, data collection, and analysis on data of water resources
- analyze collected data on water resources using scientific concepts and hydrological models

Suggested Texts:

- John C. Clausen, Introduction to Water Resources, Waveland Press, Inc. ISBN 10: 1478628006

Additional Literature: Supplemental lecture material shall be derived from the following books, all of which are excellent reference materials

- E. Shaw, Hydrology in Practice, CRC Press; 3rd edition, 1994, ISBN: 0748744487, free at http://www.icivil-hu.com/Civil-team/4th/Hydrology/HYDROLOGY.pdf
- K. J. Beven, Rainfall-runoff modelling: The Primer, 2012 Wiley-Blackwell; 2 edition, Ebook is available http://site.ebrary.com/lib/newpaltz/reader.action?docID=10540959&ppg=33
- T. Wagener, H. S. Wheater, H. V. Gupta, Rainfall-Runoff Modelling In Gauged And Ungauged Catchments, World Scientific Publishing Company, 2004 (ISBN-10: 1860944663) Ebook is available http://site.ebrary.com/lib/newpaltz/detail.action?docID=10082141
- K. L. Pennington and T. V. Cech, Introduction to Water Resources and Environmental Issues, Cambridge University Press; 1 edition (January 18, 2010), ISBN-10: 0521869889

Course Evaluation:

Your final grade will be based exclusively on

- 3 exams: 60%, 1st (20%), 2nd (20%); 3rd (20%)
- 4 take-home exercises: 20% (5% each)
- 3 Field trips and summaries: 20% (5% for New Paltz water plant and sewer plant, 10% for Catskill watershed)

Your final grade will be based exclusively on 3 exams, 4 take-home exercises, and 3 field trips. The exam will be a combination of multiple choice and short answer questions, based mostly on texts and course material. There will also be 4 take-home exercises (5 points each) during the semester which will be done without notice. These exercises will be due in a week after they are released. Late exercises will be given no credit. 3 field trips will be arranged to get the first-hand knowledge of watershed conservation and water resources planning. The field trips are required. The field trip to Catskill watershed (about 3 hours) will be hold on Friday or Saturday A letter-size page summary is required after the field trips.

Make-up tests will only be given where a student contacts me either before or on the day of the scheduled test and offers an acceptable excuse. Makeup exams must be taken no more than seven (7) days after the scheduled exam date, excepting where prolonged illness prevents this. In the case of an illness or accident a medical certificate from either a doctor or Health Services will be required. If proper documentation is not presented, then, at the discretion of the instructor, the

makeup exam may differ in content and form from the regular exam. Under no circumstances will a student be permitted to take more than one makeup test. The following table describes how numerical grades will be translated into letter grades:

Greater than or equal to	Less than	Equivalent University letter grade
93	100	A
90	93	A-
87	90	B+
83	87	B
80	83	B-
77	80	C+
73	77	C
70	73	C-
67	70	D+
60	67	D
0	60	F

The instructor reserves the right to adjust the scores of any exam or the cumulative average if it is necessary to boost the performance of the entire class. This will be done numerically and of equal weight to every student. No additional work for extra credit will be given in this class.

Campus Policies

https://www.newpaltz.edu/acadaff/academic-policies-including-academic-integrity/

- **Academic integrity policy statement**

Students are expected to maintain the highest standards of honesty in their college work. Cheating, forgery, and plagiarism are serious violations of academic integrity. Students found guilty of any violation of academic integrity are subject to disciplinary action, up to and including expulsion. New Paltz's **undergraduate** and **graduate** **academic integrity policies** are published in the respective catalogs. Sojourner Truth Library's website contains several excellent resources to help with **avoiding plagiarism**.

- **Reasonable accommodation of individuals with disabilities statement**

Students needing classroom and/or testing accommodations related to a disability should contact the **Disability Resource Center** (Haggerty Administration Building, Room 205, 845-257-3020) as close as possible to the beginning of the semester. The DRC will then provide students' instructors with Accommodation Notifications verifying the need for accommodations. Specific questions about services and accommodations may be directed to Jean Vizvary, Director (**vizvaryj@newpaltz.edu**).

- **Veteran & Military Services statement**

New Paltz's Office of Veteran & Military Services (OVMS) is committed to serving the needs of veterans, service members and their dependents (spouse or child, regardless of age) during their transition from military life to student life. Military-Affiliated students who need assistance

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- **SEI**

You are responsible for completing the Student Evaluation of Instruction (SEI) for this course and for all your courses with an enrollment of five (5) or more students. I value your feedback and use it to improve my teaching and planning. Please complete the online form during the appropriate period: Fall 2021, November 24 – December 8; Winter 2022, January 11 – January 16; Spring 2022, April 27 – May 11.

Course Outline:

Week #	Data	Module #	
1	8/29/2022	Water Cycle	
2	9/5/2022	Precipitation	09/05, Labor day, no class
3	9/12/2022	Evapotranspiration	
4	9/19/2022	Infiltration and soil water	
5	9/26/2022	CV methods	
6	10/3/2022	Streamflow and groundwater	
7	10/10/2022		October 10 - 11: Fall break - No Classes, Exam 1 (10/13)
8	10/17/2022	Water Quality	Field trip to New Paltz Water Plant
9	10/24/2022	NYC Water Supply	Catskill Watershed field trip
10	10/31/2022	Fluvial Processes	Field trip to New Paltz Sewer Plant
11	11/7/2022	Flood Analysis	
12	11/14/2022	Dams and Dam removal	
13	11/21/2022		Nov 23-25: Thanksgiving Recess, Exam 2 (11/21)
14	11/28/2022	Conflicts Over Water	
15	12/5/2022	Changing water resources	
16	12/12/2022	Changing water resources	Exam 3 (TBA)

Sep 2: Labor Day – No Classes

- October 10 - 11: Fall break - No Classes
- Nov 23-25: Thanksgiving Recess - No classes
- Nov 29 - Dec 12: Student Evaluation of Instruction (SEI) administration
- The instructor reserves the right to modify the syllabus at any time.
- Nov 6: Last day for Course Withdrawal

Department of Geography and Environmental Studies – SUNY-New Paltz

GEO342 – Digital Map Design

Maintaining Public Health on Campus and in the Classroom

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Student Absence Policy:

The number of absences allowed in a course is at the discretion of the instructor and must be stated in the course syllabus. Students absent from class for any reason are expected to complete all assigned work in the course and should consult the professor about make-up policy.

Course Modality:

Students are required to complete courses in the modality in which they were initially offered. Faculty cannot change the modality of the course for individual students.
[Faculty may, at their discretion, offer alternative modalities on a short-term basis to accommodate student absence for a positive COVID test or exposure.]

Course number and title : GEO342 – Digital Map Design

Course Details

Credit Hours: 4

Class Days, Time, Location: , SH231

Course Modality: Fully Seated

Pre/Co-requisites: GEO341 – Introduction to Geographic Information Systems.

Instructor Details

Name and Title: Lawrence McGlinn

Campus Email: mcglinnl@newpaltz.edu

Office Phone: 257-2696 (I rarely check this)

Office Location: SH133

Office Hours: .....

Course Description

The course is devoted to principles of map-making: projections, scales, symbols, design, and digital mapping systems to effectively present geographic data. The course also covers basic coding principles to customize maps on digital devices. Lecture & Lab. 4 Credits

Student Learning Outcomes

Upon completion of this course, students will be able to:

- Evaluate maps of others for effective (or ineffective) expression
- Employ effective concepts of graphic design in map design & production
- Utilize free applications like Quantum GIS, Google Earth and ArcGIS Online to create clear maps
- Apply descriptive statistical analysis to a complex data set to facilitate mapping
- Produce a map from start (gathering data) to finish (digital or hard-copy output) using software such as ArcGIS Pro, Google Maps or Illustrator
- Modify code in common ArcGIS tools to customize data entry
- Modify code in common ArcGIS tools to perform repetitive tasks automatically

Reading Materials

Recommended Text*: Statistical Methods for Geography: A Student's Guide, 5th edition, 2020 by Rogerson ISBN: 9781526498809*

Attendance

You are expected to be in class because the bulk of material on tests and exercises is covered in detail in class and lab. I reserve the right to take attendance when I wish. There is a close correlation between class attendance and performance in class!

If some personal or family crisis arises during the semester, email or call me ASAP. I will work with you to arrange make ups with no deduction, etc.

Grading Information

Grading information

11 Exercises X 40 points		440 points
2 Quizzes X 100 points		200 points
Term Project		250 points
Final Quiz		110 points
	Total	1000 points

Midterms will be a combination of multiple choice and short answer questions, based mostly on what is covered in class.

Weekly exercises through the first 10 weeks will focus on building map-production and coding skills. For the final month of the class you will concentrate on a final project, creating a map or set of maps of your choice within certain limits. Hopefully, you will use the skills you picked up earlier in the course to create a masterpiece you can put into your portfolio and brag about to family and friends and potential employers

Grading Scale :

925 points + = A , 900-924 = A- , 875-899 = B+, 825-874 = B, 800-824 = B-, 775-799 = C+, 700-774 = C, 600-699 = D, <600 = F

There will be no extra credit assignments in this class.

Last Day to Withdraw without Grade Penalty

Fall 2023: Nov 3

Campus Policies

Please be aware of the most **current Campus Policies** applicable to issues such as Academic Integrity, Computer/Network Use, Identity Verification, Accommodation of Individuals with Disabilities, Title IX, and Veteran & Military Services.

Student Evaluation of Instruction (SEI)

You are responsible for completing the Student Evaluation of Instruction (SEI) for this course and for all your courses with an enrollment of five (5) or more students. I value your feedback and use it to improve my teaching and planning. Please complete the online form during the appropriate period: .....

Summary of Topics Covered and Course Schedule

Week 1:

Tufteisms & Introduction

Exercise 1: Quality of Life in the US

Week 2:

Planning, Composition, Text Material & Typography

Exercise 2: Ulster County Tourism

Week 3:

Color

Exercise 3: Physical Map of NY

Week 4:

Quiz One

Scale, Compilation & Generalization

Week 5:

Earth's Graticule & Projections

Exercise 4: New Paltz Walking Brochure

Week 6:

Basics of Symbolization

Exercise 5: Mapping Personal Geography

Week 7:

Symbolizing Geographic Data

Exercise 6: 3D Mapping of Groundwater

Week 8:

Multivariate Mapping; Diagrams & Cartograms; Web Mapping

Quiz Two

Term Project Proposal

Week 9:

Introducing Quantum GIS (QGIS) – Free GIS that works

Exercise 7: Creating an Internet map with QGIS

Week 10:

Extending QGIS beyond the basics

Exercise 8: Coding QGIS to customize maps

Week 11:

ArcGIS Online

Exercise 9: Making an App on ArcGIS online

Week 12:

Final Quiz

Customizing ArcGIS with Python

Exercise 10: Interactive Mapping

Week 13:

More Python in ArcGIS

Exercise 11: Displaying Atmospheric Layers

Week 14:

Term Project Workshop

Week 15:

Term Project Finale

Department of Geography and Environmental Studies – SUNY-New Paltz

GEO344 – Spatial Statistics

Maintaining Public Health on Campus and in the Classroom

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Student Absence Policy:

The number of absences allowed in a course is at the discretion of the instructor and must be stated in the course syllabus. Students absent from class for any reason are expected to complete all assigned work in the course and should consult the professor about make-up policy.

Course Modality:

Students are required to complete courses in the modality in which they were initially offered. Faculty cannot change the modality of the course for individual students.
[Faculty may, at their discretion, offer alternative modalities on a short-term basis to accommodate student absence for a positive COVID test or exposure.]

COURSE NUMBER AND TITLE

Course Details

Credit Hours: 3

Class Days, Time, Location: T & F 2:00-3:30 PM, SH231

Course Modality: Fully Seated

Pre/Co-requisites: None

Instructor Details

Name and Title: Lawrence McGlinn

Campus Email: mcglinnl@newpaltz.edu

Office Phone: 257-2696 (I rarely check this)

Office Location: SH133

Office Hours: .....

Course Description

Introduces the benefits and limitations of quantitative methods to analyze geographical problems. Covers traditional descriptive and inferential statistics but with a specifically spatial approach, including shape, point pattern and cluster analysis as well as spatial autocorrelation.

Student Learning Outcomes

Upon completion of this course, students will be able to:

1. Make informed decisions based on real-world descriptive statistics such as percentages, probabilities, different types of averages and an understanding of uncertainty
2. Graph data with standard methods such as histograms and bar, pie and line graphs
3. Choose appropriate statistical methods based on the characteristics of one's data distribution
4. Confirm or reject an hypothesis test with an independent and a dependent variable
5. Interpret correlation and regression results for two variables
6. Map spatial data distributions based on 2D coordinates
7. Estimate characteristics of a population based on a geographically unbiased sample
8. Analyze the relationship among data values based on their location using proper methods

Reading Materials

***Recommended Text**: Statistical Methods for Geography: A Student's Guide, 5th edition, 2020 by Rogerson ISBN: 9781526498809*

Attendance

You are expected to be in class because the bulk of material on tests and exercises is covered in detail in class. I reserve the right to take attendance when I wish. There is a close correlation between class attendance and performance in class!

If some personal or family crisis arises during the semester, email or call me ASAP. I will work with you to arrange make ups with no deduction, etc.

Grading Information

Grading information

11 Exercises X 40 points		440 points
2 Readings/Write Ups		100 points
2 Midterms X 150 points		300 points
Final		160 points
	Total	1000 points

Exercises will cover each week's topic. They will be assigned at the end of Fri class, and they will be due at the beginning of Fri class the next week. They will include detailed, step-by-step instructions for using relevant software such as SPSS or Excel.

Midterms and the final will consist of simple problems. Students may use notes to choose correct methods to set up and solve the problems. The final exam will focus on the final 1/3 of the course, but since the course builds on itself, knowledge of earlier concepts will be necessary.

Grading Scale :

925 points + = A , 900-924 = A- , 875-899 = B+, 825-874 = B, 800-824 = B-, 775-799 = C+, 700-774 = C, 600-699 = D, <600 = F

There will be no extra credit assignments in this class.

Last Day to Withdraw without Grade Penalty

Spring 2023: April 2

Campus Policies

Please be aware of the most **current Campus Policies** applicable to issues such as Academic Integrity, Computer/Network Use, Identity Verification, Accommodation of Individuals with Disabilities, Title IX, and Veteran & Military Services.

Student Evaluation of Instruction (SEI)

You are responsible for completing the Student Evaluation of Instruction (SEI) for this course and for all your courses with an enrollment of five (5) or more students. I value your feedback and use it to improve my teaching and planning. Please complete the online form during the appropriate period: Winter 2022-2023, January 11 – January 16; Spring 2023, April 24 – May 8.

Summary of Topics Covered and Course Schedule

Week 1:

Introduction – Statistics and Spatial Data

Week 2:

Descriptive Statistics – Measures of Central Tendency & Dispersion

Assignment: Exercise 1 – Descriptive Statistics

Week 3:

Descriptive Statistics – Basic Spatial Statistics

Assignment: Exercise 2 - Basic Spatial Statistics

Week 4:

Probability and Discrete Probability – Binomial, Poisson, Geometric

Assignment: Exercise 3 - Traditional Probability Methods

Reading One – Manipulating statistics for misinformation

Week 5:

Continuous Probability Distributions – Uniform, Normal, Exponential

Assignment: Exercise 4 - Continuous Probability Models (Geographic Models)

Week 6:

Continuous Probability Models – Intervening Opportunity, Migration

MIDTERM #1 covering weeks 1–5

Week 7:

Inferential Statistics – Confidence Intervals and Hypothesis Testing

Assignment: Exercise 5 - Hypothesis Testing and Confidence Intervals

Week 8:

Inferential Statistics – Hypothesis Testing, Sampling, Independence

Assignment: Exercise 6 - Random & Stratified Sampling, Concept of Independence

Week 9:

Analysis of Variance – 2 Categories, Non-Param. Tests, 1–Way ANOVA

Assignment: Exercise 7 - Skewed Distributions and Non-Parametric Tests

Week 10:

Correlation – r, r-square, Spearman's, Modifiable Area Unit Problem

Assignment: Exercise 8 - Correlation and Modifiable Area Unit Problem

Week 11:

Regression – Regression Line, Standard Error, Residuals, Linear vs. Non-Linear Models

MIDTERM #2 covering weeks 6-10

Week 12:

Regression – Multiple Regression, Dummy Vars, Logistic Regression.

Assignment: Exercise 9 - Regression and Mapping Residuals

Reading Two – Coffee causes cancer?

Week 13:

Spatial Patterns – Quadrats, Nearest Neighbor, Chi Square

Assignment: Exercise 10 – Multiple Regression and Chi Square

Week 14:

Spatial Patterns – Moran's I and Wrap Up

Assignment: Exercise 11 – Moran's I and Clustering

Week 15:

FINAL EXAM – covering weeks 11–14

Department of Geography and Environmental Studies – SUNY-New Paltz

GEO432 – Climate Change and Society

Course number and title : GEO432 – Climate Change and Society

Course Details

Credit Hours: 3

Class Days, Time, Location: .....

Course Modality: Fully Seated

Pre/Co-requisites: None

Instructor Details

Name and Title: Lawrence McGlinn

Campus Email: mcglinnl@newpaltz.edu

Office Phone: 257-2696 (I rarely check this)

Office Location: SH133

Office Hours: .....

Course Description : Social, political and economic forces that impact Earth's changing climate. Emphasizes effectiveness of and obstacles to proposed solutions addressing hazards of the fast-warming climate. Lecture. 3 Credits

Student Learning Outcomes

Upon completion of this course, students will be able to:

- Explain how human societies and institutions are affected by climate change challenges
- Differentiate successful strategies for dealing with climate change from ineffective strategies
- Recognize the issues with conveying scientific knowledge to a broad, non-scientific audience
- Identify political influences on climate science and policy

– Identify forces that shape perception of climate change, from denial to anxiety

Reading Materials

Assigned readings from a variety of sources on the weekly schedule.

Attendance

You are expected to be in class because the bulk of material on tests and exercises is covered in detail in class. I reserve the right to take attendance when I wish. There is a close correlation between class attendance and performance in class!

If some personal or family crisis arises during the semester, email or call me ASAP. I will work with you to arrange make ups with no deduction, etc.

Grading Information

Grading information

4 Reading Write Ups	200 points
2 Discussions	80 points
Midterms #1 and #2 (150 pts each)	300 points
Final Project	250 points
Final Exam	170 points
Total	**1000 points**

I will ask you to do short write ups of readings I assign, integrating across weeks. Some weeks we will have a provocative discussion question to comment on. Two midterms will be made up of short answers and essay questions. The final project is a deep dive into a particular place, how they are dealing with a changing climate (doesn't have to be a success story, could be a failure).

Grading Scale :

925 points + = A , 900-924 = A- , 875-899 = B+, 825-874 = B, 800-824 = B-, 775-799 = C+, 700-774 = C, 600-699 = D, <600 = F

There will be no extra credit assignments in this class.

Last Day to Withdraw without Grade Penalty

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Campus Policies

Please be aware of the most **current Campus Policies** applicable to issues such as Academic Integrity, Computer/Network Use, Identity Verification, Accommodation of Individuals with Disabilities, Title IX, and Veteran & Military Services.

Student Evaluation of Instruction (SEI)

You are responsible for completing the Student Evaluation of Instruction (SEI) for this course and for all your courses with an enrollment of five (5) or more students. I value your feedback and use it to improve my teaching and planning. Please complete the online form during the appropriate period: ……..

Summary of Topics Covered and Course Schedule

Week 1:

Physical Science of Climate Change

Readings: https://history.aip.org/climate/co2.htm

https://www.npr.org/2022/08/11/1116608415/the-arctic-is-heating-up-nearly-four-times-faster-than-the-rest-of-earth-study-f

Week 2:

Climate Change in Context

Readings: https://www.unenvironment.org/resources/global-environment-outlook-6 - Chapter 4, Cross-cutting issues (p. 75-97)

Week 3:

Mitigation vs Adaptation; Individuals vs Institutions

Readings: Paradise, CA Adaptation; Mississippi River Adaptation; Lost Crops

Write Up: Fundamentals of Climate Change as an Environmental Issue

Week 4:

Climate Anxiety

Readings: Your Crushing Anxiety About the Climate Crisis Is Normal; A White Problem; Five future climate scenarios underpin the UN's Intergovernmental Panel on Climate Change's latest report

Anxiety Discussion

Week 5:

Climate Misinformation & Denial

Readings: Exxon disputed climate findings for years. Its scientists knew better; Rise in Climate Misinformation; The Thinking Error at the Root of Science Denial

Week 6:

MIDTERM #1 (Weeks 1–5)

Climate Equity

Reading: Climate Change and the Threat to Racial Equity

Week 7:

Climate Activism

Readings: Young Climate Activists; Climate change is all about power. You have more than you think.

Write Up: Weeks 4-6

Week 8:

IPCC

Reading: Climate Change 2022: Impacts, Adaptation and Vulnerability

Week 9:

Energy Options

Readings: https://www.energy.gov/eere/renewable-energy ; https://www.trvst.world/renewable-energy/challenges-for-renewable-energy/

Term Project Proposal & Partial Bibliography

Week 10:

Energy Solutions

Reading: Challenges and solution technologies for the integration of variable renewable energy sources—a review

Write Up: Weeks 7-9

Week 11:

Case Study: Superstorm Sandy

Readings: Hurricane Sandy Explained; Lessons from Hurricane Sandy (Nature Conservancy)

Sandy Discussion

Week 12:

Midterm #2 (Weeks 6-10)

Case Study: Maldives

Reading: Maldives is being swallowed by the sea

Week 13:

Inflation Reduction Act

Readings: https://www.crfb.org/blogs/whats-inflation-reduction-act ; https://www.epa.gov/green-power-markets/inflation-reduction-act

Write Up: Weeks 10–12

Week 14:

Sustainable Cities

Reading: 10 of the best sustainable city plans in the world

Week 15:

Final Exam

Term Project Due

Course Details

Course: GEO 441_01 GIS Applications
Semester: Spring 2023
Credit Hours 4
Meeting Times: Monday and Thursday, 11:00-12:15 pm and Wednesday 11:00-12:50 pm.

Contact Information

Instructor: Huicheng Chien
Office: Science Hall 132
Email: chienh@newpaltz.edu
Telephone: 845-257-2997
Office Hours: Monday and Thursday 10:30-11:00am and 2:45- 3:45 pm at SH132.

Course Description

This course is built on GEO 341 "Introduction to GIS". Some intermediate GIS topics including raster data modeling and model builders will be introduced through a combination of lectures, hands-on exercises, and individual projects.

Student Learning Outcomes:

By the end of the semester, you are expected to

- demonstrate understanding vector and raster data models and conversions
- find, download, decompress and load data from online sources such as state GIS data
- develop automating processes in ArcGIS
- learn about surface analysis, 3-D rendering, and relevant applications
- create 3-D models of watersheds, cities and mountainous regions
- understand network analysis and applications
- integrate GIS skills to solve spatial questions.

Reading Materials

- **Online ArcGIS Resource Center, ESRI** **http://resources.arcgis.com/en/help/main/10.1/**
- Wilpen L Gorr, Kristen S Kurland. GIS Tutorial 1: Basic Workbook, 10.1 Edition, ESRI Press. May 2013 ISBN: 1589483359
- Bradley A. Shellito , Discovering GIS and ArcGIS, W. H. Freeman; 1st edition (December 26, 2014), ISBN-10: 1464145202
- P A Longley, M F Goodchild, D J Maguire, and D W Rhind. Geographic Information Systems and Science, 3rd Edition. Wiley, August 2010; ISBN 0470721448; Paperback, 560 pages.
- P A Longley, M F Goodchild, D J Maguire, and D W Rhind. New Developments in Geographical Information Systems: Principles, Techniques, Management and Applications http://www.geos.ed.ac.uk/~gisteac/gis_book_abridged/

Course Evaluation:

Your final grade will be based exclusively on

- 48% -8 Lab Assignments (60 points each): 60 points *8= 480
- 52% - Final Project (abstract+ proposal: 150, map+analysis+presentation: 370): 520 points * 1 = 520
  Total = 1000 points

YOU MUST COMPLETE ALL REQUIREMENTS INCLUDING 8 LAB ASSIGNEMNTS AND FINAL PROJECT TO RECEIVE THE FINAL GRADE.

Letter grades and point totals

Greater than or equal to (%)	Less than (%)	Equivalent University letter grade
93	100	A
90	93	A-
87	90	B+
83	87	B
80	83	B-
77	80	C+
73	77	C
70	73	C-
67	70	D+
60	67	D
0	60	F

The instructor reserves the right to adjust the scores of any exam or the cumulative average if it is necessary to boost the performance of the entire class. This will be done numerically and of equal weight to every student. No additional work for extra credit will be given in this class.

Final Project

- Project abstract+ proposal: 100 points
- Map and analysis 300 points
- Presentation 120 points

The project is intended to provide a deeper understanding of a GIS application through experience. Students will work individually or in groups of 2 on projects. The project should investigate a particular research problem using ArcGIS. The project must be an original piece of work developed for this course. The project will be marked by a set of milestones from data collection, data management, data preprocessing, analysis and modeling, and result presentation. More detailed guidelines and requirements on class projects will be provided in class. Students are encouraged to freely discuss their project ideas with the instructor. During the last scheduled lab period, students will present their project to the class. The presentations can be no longer than fifteen (15) minutes and should use PowerPoint.

1. Title: i.e., main idea.
2. Purpose: a brief description of the purpose(s), why the project is needed, the major problem it resolves, and the expected users and benefits.

3. Data: what data have been used and the sources
4. Methods: what GIS techniques have been used
5. Results and Output map(s)

Presentation

Your project will be encouraged to present at Student Research Symposium (SRS). For the SRS, please check the website https://www.newpaltz.edu/research/presentation-opportunities/student-research-symposium/ **The 2023 SUNY New Paltz Student Research Symposium on May 5. The application deadline is April 10.**

Class Outline

1	1/23/23	Map Algebra 1	Lab 1
2	1/30/23	Map Algebra 2	Lab 2
3	2/6/23	Spatial Analysis 1	Lab 3
4	2/13/23	Spatial Analysis 2	Lab 4
5	2/20/23	Python and spatial interpolation	Lab 5 (Feb. 20, President's Day - No Classes)
6	2/27/23	Python and spatial interpolation	Lab 6
7	3/6/23	Geocoding	Working on Abstract; Lab7
8	3/13/23	Spring Break	No Class
9	3/20/23	Geocoding	Abstract Due
10	3/27/23	Network Analysis	Working project; Lab 8
11	4/3/23	Network Analysis	Working project (Apr. 6, Passover -no class)
12	4/10/23	Project	Working project
13	4/17/23	Project	Working project
14	4/24/23	Project	Working project
15	5/1/23	Project	Presentation
16	5/8/23	Project	Presentation (May 10, last day)

- Feb 20, President's Day - No Classes
- Apr. 6, Passover -no class
- April 2: Last day for Course Withdrawal
- Spring 2023 SEI administration: 8:00 a.m. April 26, 2023 through Midnight May 10, 2023
- The instructor reserves the right to modify the syllabus at any time.

Class Policies

1. **Attendance is required in this class**: I reserve the right to take attendance at any time during the semester. Missing class is strongly correlated with doing poorly in class, so you should come,

anyway. If you experience a personal crisis during the semester that makes it impossible to come to class, please let me know as soon as possible, and I will arrange make up work. I cannot arrange make up work after a long, undocumented absence, and never after the class has ended.

2. **Academic integrity policy statement:** Students are expected to maintain the highest standards of honesty in their college work. Cheating, forgery, and plagiarism are serious violations of academic integrity. Students found guilty of any violation of academic integrity are subject to disciplinary action, up to and including expulsion. New Paltz's policy on academic integrity (rev. October 2017) is found in the Undergraduate Catalog. Sojourner Truth Library's website contains several excellent resources to help with avoiding plagiarism; see especially lib.newpaltz.edu/assistance/plag.html.

3. **Reasonable accommodation of individuals with disabilities statement:** Students needing classroom and/or testing accommodations related to a disability should contact the Disability Resource Center (Student Union, Room 210, 845-257-3020) as close as possible to the beginning of the semester. The DRC will then provide students' instructors with an Accommodation Memo verifying the need for accommodations. Specific questions about services and accommodations may be directed to Deanna Knapp, Assistant Director (knappd@newpaltz.edu) or Jean Vizvary, Director(vizvaryj@newpaltz.edu).

4. **Veteran & Military Services statement:** New Paltz's Office of Veteran & Military Services (OVMS) is committed to serving the needs of veterans, service members and their dependents during their transition from military life to student life. Student veterans, service members or their dependents who need assistance while attending SUNY New Paltz may refer to OVMS's website; call 845-257-3120, -3124 or -3074; e-mail np-vms@newpaltz.edu; or stop by the Student Union, Room 100 South.

5. **Computer and network policies statement:** Users of New Paltz's computer resources and network facilities are required to comply with the institutional policies outlined in the Acceptable Uses and Privacy Policy and other technology policies, available at www.newpaltz.edu/itpolicy.

6. **Identity verification policy statement for online courses:** New Paltz's Online Identity Verification Policy is designed to verify that students enrolled in our online courses and/or programs are the ones who take the courses, complete the programs, and receive the academic credit. The complete policy is published in the Undergraduate Catalog.

7. **Title IX and related policy statement:** Gender discrimination, sexual harassment, sexual assault, sexual violence, stalking, and power-imbalanced sexual/romantic relationships between faculty and students are strictly prohibited within the SUNY New Paltz community. We encourage students to report, confidentially discuss, or raise questions and concerns regarding potential violations. Reports can be made to the Title IX Office, the department chair and/or the dean of your school. For information on Title IX reporting and support, visit www.newpaltz.edu/titleix/. The College's Consensual Relationship Policy can be found at www.newpaltz.edu/hr/policies.html.

8. **Student Evaluation of Instruction (SEIs):** I encourage you to complete SEIs at the end of the semester. I value your feedback and use it to improve my teaching and planning. Please complete the online form during the period [April 26-May 10].

Re: Bioarcheology of Food

You replied on Wed 1/18/2023 1:17 PM

Kenneth Nystrom

To: Lawrence McGlinn

Cc: Salvatore Engel-Dimauro

Sun 10/23/2022 8:25 AM

Larry,

Sure, that sounds good!

Ken

--
Professor and Chair
Department of Anthropology
Wooster Hall 319
SUNY New Paltz
1 Hawk Drive
New Paltz, NY 12561
(845) 257-2986

To schedule office hours visit: https://calendly.com/nystrom-office-hours/office-hours

The Bioarchaeology of Mummies
The Bioarchaeology of Dissection and Autopsy in the United States

New Paltz
STATE UNIVERSITY OF NEW YORK

From: Lawrence McGlinn <mcglinnl@newpaltz.edu>
Sent: Friday, October 14, 2022 12:59 PM
To: Kenneth Nystrom <nystromk@newpaltz.edu>
Cc: Salvatore Engel-Dimauro <engeldis@newpaltz.edu>
Subject: Bioarchaeology of Food

Hi Ken,

Your Bio/Food class looks like a pretty good fit for Env Studies as an elective. I have actually subbed it a couple of times for Env Studies majors who had already taken it. Would you be interested in having it as an elective? It would be nice to still have Anthropology represented since Ecol Anthro is not offered anymore.

Cheers,
Larry