

1-Students graduating from the major will understand and analyze the varied perspectives offered by the social and natural sciences regarding the causes and consequences of social, ecological, and environmental change. This includes interactions among natural resources, climate, population, energy use and technology, health, forces of globalization, social institutions, and cultural values.

110 Theories and Reasoning

312 Environmental History

1.1 Describe major patterns and drivers of natural resource use, pollution, and climate and environmental change.

110 Theories and Reasoning

115 Water and Society

225 Environment and Health in Society and the Mass Media

299 Introduction to Sustainability

312 Environmental History

416 Environmental Education

1.2 Identify different approaches to the governance and management of human activities that affect the environment, both in the US and abroad, including institutions, property relations, management regimes, politics, and policies

110 Theories and Reasoning

115 Water and Society

225 Environment and Health in Society and the Mass Media

279 Politics of Environmental Issues

312 Environmental History

314 Natural Resource Policy

460 Environmental Law 1: Nature, Law and Society

462 International Environmental Law

1.3 Explain characteristics of human populations, including population growth, demographic transitions, social stratification, consumption, and indicators of human welfare.

110 Theories and Reasoning

141 Health and Society

220 Environmental Solutions

225 Environment and Health in Society and the Mass Media

269 Population, Resources, and Environment

312 Environmental History

435 Communication in the Life Sciences

1.4 Describe technological trends affecting human well-being and the environment including energy use and development, biotechnology, and geospatial and communication technologies

110 Theories and Reasoning

175 Energy and Society

225 Environment and Health in Society and the Mass Media

312 Environmental History

429 Agrarian Landscapes

435 Communication in the Life Sciences

460 Environmental Law 1: Nature, Law and Society

462 International Environmental Law

1.5 Evaluate major issues in health, including race, gender, and socio-economic position, food and nutrition access and policies, cultural factors, and understandings of risk and vulnerability.

110 Theories and Reasoning
115 Water and Society
141 Health and Society
225 Environment and Health in Society and the Mass Media
269 Population, Resources, and Environment
312 Environmental History
435 Communication in the Life Sciences
437 Culture and Health
438 Health in the Latino Community
460 Environmental Law 1: Nature, Law and Society
462 International Environmental Law

1.6 Discuss the dynamics of development and globalization, including historical antecedents, current trends and pathways, and local responses to global forces.

110 Theories and Reasoning
115 Water and Society
225 Environment and Health in Society and the Mass Media
312 Environmental History
435 Communication in the Life Sciences
462 International Environmental Law

1.7 Explain how social forces, cultural values, and behavior affect human-environmental interactions, including issues such as political and economic relations, inequality, access to resources, and interactions between human diversity and biological diversity.

110 Theories and Reasoning
141 Health and Society
175 Energy and Society
225 Environment and Health in Society and the Mass Media
279 Politics of Environmental Issues
299 Introduction to Sustainability
312 Environmental History
314 Natural Resource Policy
399 Practicum in Sustainability
416 Environmental Education
429 Agrarian Landscapes
435 Communication in the Life Sciences
437 Culture and Health
438 Health in the Latino Community
460 Environmental Law 1: Nature, Law and Society
462 International Environmental Law

2- Students will acquire the skills to use appropriate conceptual and methodological tools to structure inquiries about human-environment interactions:

110 Theories and Reasoning

225 Environment and Health in Society and the Mass Media
312 Environmental History
416 Environmental Education
435 Communication in the Life Sciences
460 Environmental Law 1: Nature, Law and Society
462 International Environmental Law

2.1. Assess the relevant contexts for addressing the question of this problem, at the appropriate spatial, temporal, and organizational scale(s).

110 Theories and Reasoning
175 Energy and Society
220 Environmental Solutions
225 Environment and Health in Society and the Mass Media
269 Population, Resources, and Environment
312 Environmental History
313 US Environmental Policy
314 Natural Resource Policy
416 Environmental Education
435 Communication in the Life Sciences
460 Environmental Law 1: Nature, Law and Society
462 International Environmental Law

2.2. Identify the relevant biological, historical, sociocultural, governance, and political issues that need to be addressed.

110 Theories and Reasoning
141 Health and Society
225 Environment and Health in Society and the Mass Media
269 Population, Resources, and Environment
279 Politics of Environmental Issues
312 Environmental History
313 US Environmental Policy
416 Environmental Education
435 Communication in the Life Sciences
437 Culture and Health
438 Health in the Latino Community
460 Environmental Law 1: Nature, Law and Society
462 International Environmental Law

2.3. Identify what constitutes valid and relevant evidence to address the question and demonstrate an ability to understand and work with quantitative information.

110 Theories and Reasoning
225 Environment and Health in Society and the Mass Media
302 Data Analysis
312 Environmental History
313 US Environmental Policy
416 Environmental Education
435 Communication in the Life Sciences
460 Environmental Law 1: Nature, Law and Society
462 International Environmental Law

2.4. Conduct ethical primary and secondary research using appropriate methods and consider relevant community norms.

110 Theories and Reasoning
201 Research Methods in Human Ecology
225 Environment and Health in Society and the Mass Media
302 Data Analysis
312 Environmental History
416 Environmental Education
435 Communication in the Life Sciences
460 Environmental Law 1: Nature, Law and Society
462 International Environmental Law

2.5. Analyze and interpret evidence.

110 Theories and Reasoning
201 Research Methods in Human Ecology
225 Environment and Health in Society and the Mass Media
302 Data Analysis
312 Environmental History
313 US Environmental Policy
416 Environmental Education
435 Communication in the Life Sciences
460 Environmental Law 1: Nature, Law and Society
462 International Environmental Law

2.6. Identify appropriate governance tools to manage human-environment impacts and be capable of engaging with regulatory, legislative and other democratic processes.

110 Theories and Reasoning
175 Energy and Society
225 Environment and Health in Society and the Mass Media
312 Environmental History
313 US Environmental Policy
416 Environmental Education
435 Communication in the Life Sciences
460 Environmental Law 1: Nature, Law and Society
462 International Environmental Law

2.7. Apply this (a-e) understanding to identify policies and plans that address the problem.

110 Theories and Reasoning
225 Environment and Health in Society and the Mass Media
312 Environmental History
313 US Environmental Policy
416 Environmental Education
435 Communication in the Life Sciences
438 Health in the Latino Community
460 Environmental Law 1: Nature, Law and Society
462 International Environmental Law

2.8. Identify different decision-making processes and criteria for selecting from among alternatives.

110 Theories and Reasoning
225 Environment and Health in Society and the Mass Media

312 Environmental History
416 Environmental Education
435 Communication in the Life Sciences
460 Environmental Law 1: Nature, Law and Society
462 International Environmental Law

2.9. Evaluate the alternatives' environmental and differentiated social consequences.

110 Theories and Reasoning
220 Environmental Solutions
225 Environment and Health in Society and the Mass Media
312 Environmental History
313 US Environmental Policy
416 Environmental Education
435 Communication in the Life Sciences
460 Environmental Law 1: Nature, Law and Society
462 International Environmental Law

2.10. Identify relevant audiences, determine communication goals and communicate the results in oral and/or written form in a manner effective for each targeted audience.

110 Theories and Reasoning
141 Health and Society
225 Environment and Health in Society and the Mass Media
312 Environmental History
313 US Environmental Policy
416 Environmental Education
429 Agrarian Landscapes
435 Communication in the Life Sciences
437 Culture and Health
460 Environmental Law 1: Nature, Law and Society
462 International Environmental Law

2.11. Work effectively in team settings.

110 Theories and Reasoning
225 Environment and Health in Society and the Mass Media
312 Environmental History
416 Environmental Education
435 Communication in the Life Sciences
437 Culture and Health
438 Health in the Latino Community
460 Environmental Law 1: Nature, Law and Society
462 International Environmental Law

3-Students will undertake their work guided by ethical considerations. They will identify their own values with respect to environmental, health, and food issues. They will evaluate and address the ethical dimensions and implications of related problems, assessments, plans, and communication, including their differentiated social impacts.

110 Theories and Reasoning
141 Health and Society
201 Research Methods in Human Ecology
225 Environment and Health in Society and the Mass Media
280 Careers in EPIB

312 Environmental History
416 Environmental Education
435 Communication in the Life Sciences
437 Culture and Health
438 Health in the Latino Community
460 Environmental Law 1: Nature, Law and Society
462 International Environmental Law