

CSD519 Resources, Population and Environmental Management

Level: 5

Credit Units: 5 Credit Units

Language: ENGLISH

Presentation Pattern: EVERY JAN

Synopsis:

CSD519 equips students with a comparative understanding of different modes of resource use, including systems of resource valuation and allocation. The course demonstrates how broad policies and global issues are linked to local activities as causative factors and to local initiatives as remedies. Students will learn about ongoing debates about environmental sustainability. Interactions between resource scarcity and population size will be discussed, including the environmental implications of world population growth to 7 billion. Specific scarce resources will be examined in greater detail, especially land, water and energy, including environmental consequences, such as forest fires, fires, floods, droughts, pollution, etc. Climate change issues will be discussed, including consequences for small islands such as Singapore. Environmental management strategies will be taught, with a particular focus on urban environmental management for liveable cities and local efforts at organisation and containment (in both rural and urban areas). The environmental issues will be analysed in relation to social and economic inequalities, both global and national. The course will end with a consideration of possibilities for the future, including recommendations for policy changes and social actions.

Topics:

- The use, valuation and allocation of resources
- The global competition for resources
- International debates about resource use and environmental consequences:
- Finite resources for a growing population
- Competition for scarce resources:
- Climate change:
- Environmental management strategies:
- Urban environmental management strategies:
- Possibilities for the future
- Recommendations for policy changes and social actions:

Textbooks:

Joseph R. DesJardins: Environmental Ethics: An Introduction to Environmental Philosophy (5th Edition) 5 Cengage
ISBN-13: 9781133049975-AA

Robbins, Paul, John Hintz, and Sarah A. Moore.: Environment and Society: A Critical Introduction. Wiley
ISBN-13: 9781118451564-AA

Carolan, Michael.: Society and Environment: Pragmatic Solutions to Ecological Issues. Westview Press
ISBN-13: 9780813350004

Robbins, Paul, John Hintz, and Sarah A. Moore.: Environment and Society: A Critical Introduction. Wiley
ISBN-13: 9781118451564

Carolan, Michael.: Society and Environment: Pragmatic Solutions to Ecological Issues. Westview Press
ISBN-13: 9780813350004-AA

Joseph R. DesJardins: Environmental Ethics: An Introduction to Environmental Philosophy (5th Edition) 5 Cengage
ISBN-13: 9781133049975

Learning Outcome:

- Discuss the key factors in resource use, valuation and allocation.
- Evaluate the politics of resource scarcity and competing demands.
- Examine the key debates on environmental sustainability.
- Assess the environmental consequences of different modes of production, distribution and consumption.
- Recommend strategies for environmental management to different contexts of development.
- Analyze findings from environmental research for sustainable development.
- Construct key recommendations for more sustainable resource and population management
- Compare key strategies for collaborative environmental management.

Assessment Strategies:

Continuous Assessment Component	Weightage (%)
TUTOR-MARKED ASSIGNMENT	50
Sub-Total	50

Examinable Component	Weightage (%)
ECA	50
Sub-Total	50

Weightage Total **100**