ERASMUS+ project: Integrated Doctoral Program for Environmental Policy, Management and Technology – INTENSE

Dự án ERASMUS+: Chương trình Tiến sĩ Tích hợp về Chính sách, Quản lý và Công nghệ Môi trường - INTENSE

Teaching and learning materials

Tài liệu giảng dạy và học tập

Course: Strategic Environmental Assessment Management

Học phần: Đánh giá môi trường chiến lược

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Tuyên bố từ chối trách nhiệm

Sự hỗ trợ của Ủy ban châu Âu đối với việc sản xuất ấn phẩm này không cấu thành sự xác nhận nội dung. Nội dung này chỉ phản ánh quan điểm của các tác giả và Ủy ban không chịu trách nhiệm về bất kỳ việc sử dụng nào mà có thể được thực hiện từ thông tin trong đó.

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Contents/Mục lục

Summary/Tóm tắt

The course aims to present and discuss key concepts of SEA, and promote an understanding of environmental integration in strategic planning and decision making across key actors. The course is concerned with the general issue of integrating environmental sustainability considerations in strategic planning and decision-making, including Corporate Social Responsibility (CSR), with a particular focus on the role of institutions, and the role of norms, values and behavior for attaining sustainable development.

Concepts from decision- and policy-making theories are introduced to explain the general setting for decision-making of strategic actions. This includes analyzing decision-making in policies, and investment plans and programs. The course teaches skills that are useful and required for professional use. It investigates the role of institutions, and political-economy factors for large companies' and government agencies' planning, decision-making and effective environmental management. Further, it explores a wide range of examples from developed and developing countries. The students explore why environmental considerations are often poorly integrated in strategic planning and policymaking, and learn how SEA approaches can be adapted and designed to different contexts. The course also deals with legal aspects and frameworks of different countries applying SEA.

Strategic Environmental Assessment

Name of course/Tên học phần: Đánh giá môi trường chiến lược

Code/Mã học phần:　　　EV151

Name in English/Tên tiếng Anh: Strategic Environmental
Assessment Total credits/khối lượng: 3(3-2-1-6)
Theory/Lý thuyết: 30 contact hour/45 tiết
Exercise/Bài tập: 15 contact hours/0 tiết
Experiement/Thí nghiệm: 0 contact hours /0 giờ
Self-study/Tự học: 90 contact hours/90 tiết

Target students/Đối tượng tham dự:

Postgraduate students on Environmental Engineering, Natural Resources and
Environmental management/

Nghiên cứu sinh ngành Kỹ thuật Môi trường, Quản lý tài nguyên và môi trường.

Aims and objectives/Mục tiêu học phần:

The course is aimed to provide knowledge and practical application of
concepts, history, methodologies and research tools appropriate for assessing
potential environmental impacts and mitigation for a strategy, a master plan, or
a program before giving the decision on approval of them or commissioning
them in sustainability development orientation.

Học phần này nhằm mang lại cho NCS:

- Các kiến thức nâng cao về lý luận ngành Kỹ thuật Môi trường, Quản lý
tài nguyên và môi trường
- Rèn luyện khả năng tư duy về đánh giá môi trường chiến lược

General learning outcomes:

By the end of the course, successful students will achieve the following course
expected learning outcomes (CELO):

CELO	CELO Description
Knowledge and Understanding:	
CELO1	Understand SEA role and its contribution into planning process, decision making and sustainable development
CELO2	Understand SEA procedures, key components and methodologies and tools
CELO3	Analyze SEA legislation framework, institution analysis and stakeholder involvement
CELO4	Identify gaps between theory and practice of SEA, between government and donors or international investment
CELO5	Prepare ToR, conduct SEA for specific case study or sectors
Skills outcome	
CELO6	Work in a group to prepare one SEA and present it to another group
CELO7	Prepare and Review SEA

Teaching methods

The course will make most of the interactive and self-reflective methods of teaching and learning and, where possible, avoid standing lectures and presentations.

Learning methods	- Video presentations - Interviews, surveys, field trips, group work - Project-Based Learning - Problem Based Learning - Play role - Stakeholder Analysis - Group-based learning - Scenarios analysis - Case studies

Course framework/Khung học phần

Topic	Description	Credit hours	Lectures	Practice and Discussion
Topic 1	Course description Introduction to SEA; Env problems and Systems	1 2	1 2	0
Topic 2	SEA and other environmental assessment tools and planning cycle and project cycles	3	2	1
Topic 3	Key concepts of SEA-phases and procedural steps	6	5	1
Topic 4	National system for SEA, Legal framework	3	2	1
Topic 5	Conducting SEA -Building national SEA system – Institutional analysis	6	5	1
Topic 6	SEA tools for screening and scoping	3	2	1
Topic 7	Methodologies to do SEA	3	2	1
Topic 8	Conducting SEA-Participation, stakeholder representation	3	2	1
Topic 9	Conducting SEA- TOR and review	3	2	1
	How to do SEA (5) - Evaluation and follow up SEA effectiveness	3	2	1
Topic 10	SEA in Practice	8	3	5
	Quiz	1		1
	Total	**45**	**30**	**15**

Grading

The students' performance will be based on the following:

Assessment
- Progress assessment (30%):
  - Seminar Quiz/Midterm examination (10%): students have to complete the quiz or Mid-term report.
  - Seminar (20%): Students will select 1 topic and share the idea in one of three seminar topics.

- Final assessment (70%):

  - Group report (40%): The students will be divided into groups of 2-3 students and choose one case study to develop SEA TOR and SEA framework.
  - Final examination (30%)

Lecture contents/Nội dung bài giảng

Lecture topic	Contents
Topic 1	
Course introduction;	Course rationale, objectives. Presentation of students, teachers, etc. Formalities and practicalities Intro to assignments and literature seminars
Introduction to SEA; Env problems and Systems	Why SEA? Rationale. Introduction to systems: technical, social, environmental, economic systems
What is SEA?	SEA tools, Identifying alternatives, predicting, evaluating and mitigating environmental impacts, documentation, implementation, monitoring
Topic 2	
SEA and other environmental assessment tools and	The link between SEA and EIA, ERA, EP, etc. The integration of SEA and planning cycle The integration of SEA and project cycle

planning cycle and project cycles	
Topic 3	
Key concepts of SEA- phases and procedural steps	Screening, scoping, baseline, identifying and problems, stakeholders, decision, monitoring, etc.
How to do SEA - the SEA process (1)	Setting the context for SEA: screening, scoping, baselines, identifying environmental problems
Topic 4	
National system for SEA, Legal framework	National system and legislation framework on SEA
Seminar 1	*Case study - Vietnamese legislation for SEA*
Topic 5	
Conducting SEA - Building national SEA system – Institutional analysis	The role of institutions in SEA and implementation? How to undertake institutional analysis? Institutions for national SEA systems? Functions of national SEA system Gap analysis Good governance Institutional analysis
Seminar 2	*Institutional analysis for SEA, EIA and EPP – Case study*
Topic 6	
SEA tools for screening and scoping	SEA screening – identifying key environmental issues
	SEA scoping – identifying strategic issues
Topic 7	
Methodologies to do SEA	Methodologies to do SEA
Seminar 3	*SEA scoping - Case study exercise*
Topic 8	

Conducting SEA-Participation, stakeholder representation	Approaches and challenges to stakeholders Involvement of the public, strengthening the voice of the poor, constituencies, tools for participation and stakeholder involvement
Conducting SEA- TOR and review	Drafting ToR SEA review process and criteria Permits and appeal
Topic 9	
How to do SEA (5) - Evaluation and follow up SEA effectiveness	Evaluation, SEA follow-up and monitoring of implementation; SEA effectiveness Monitoring SEA Role of Court, MONRE
Topic 10	
Assignment - SEA in Practice	Presentation of examples of "real" SEAs Students make short presentations of SEA applications from their respective countries

Question/ Quiz/ Câu hỏi tự kiểm tra

1. What is SEA? What is the difference between SEA, EIA and ERA?
2. How can we use the SEA efficiency?
3. SEA policies and strategies of environmental protection in your countries? What are the gaps between SEA policies and implementation in developed countries and developing countries?
4. What methods are used for SEA? Advantages and disadvantages of each method?
5. What you can do to improve the quality of the SEA report?
6. Roles of stakeholders in the SEA process?
7. Problem-based instruments in the SEA process?
8. How you can evaluate the SEA report?
9. How you can maximize the benefits of SEA?
10. Select one SEA case and withdraw the lessons learned from that case?

Practical works and seminars /Thực hành và thảo luận

Seminar/thảo luận

Purposes:

- Understanding various policy and management contexts, stakeholder analysis and common problems in the preparation of Strategic Environment Assessment
- Familiarity with and ability to critically and creatively discuss key concepts, tools and methods as presented in the literature
- Ability to interpret data, to analyze the audience, and use the concepts, tools, and methods for communicating and defending the ideas presented in the report

Seminar 1	*Case study - Vietnamese legislation for SEA*
Seminar 2	*Institutional analysis for SEA, EIA and EPP – Case study*
Seminar 3	*SEA scoping - Case study exercise*

Practical works/Thực hành

Purposes:

- Working in the group for scenarios analysis assignment in class
- Working in the group for preparing a SEA for a selected case
- Ability to interpret data, analyze the audience, and use the concepts, tools, and methods for communicating information to all participants

Assignment - SEA in Practice The students will be divided into groups of 2-3 students and choose one case study to develop SEA TOR and SEA framework.	Presentation of examples of "real" SEAs Students make short presentations of SEA applications from their respective countries

Ability to interpret data, analyze audience, and use the concepts, tools, and methods for communicating information to all participants

Working in the group for preparing a SEA for a selected case

Literature review

- Strategic thinking for sustainability (ST4S) in strategic environmental assessment (https://www.elgaronline.com/view/edcoll/9781789909920/9781789909920.00013.xml)

- Conceptualizing strategic environmental assessment: Principles, approaches, and research directions (https://www.sciencedirect.com/science/article/abs/pii/S0195925516300786?via%3Dihub#!)

- Advancing practice relating to SEA alternatives (https://www.sciencedirect.com/science/article/pii/S0195925515000347)

- Strategic environmental assessment: the state of the art (https://www.tandfonline.com/doi/full/10.1080/14615517.2012.666400)

Việc thi cuối kỳ được thực hiện dưới hình thức một bài kiểm tra điện tử (có thể được hỗ trợ bằng phần mềm Kahoot it), trong đó có các câu hỏi về tất cả các chủ đề của học phần. Đề thi gồm 30 câu hỏi thuộc các loại sau:

- Câu hỏi với các câu trả lời nhiều lựa chọn;
- Câu hỏi với câu trả lời "có" / "không";
- Câu hỏi mở - nghiên cứu sinh phải viết câu trả lời tối đa 100 từ

Điểm bài thi cuối kỳ chiếm trọng số 30% điểm đánh giá học phần

References /Tài liệu tham khảo

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http://siteresources.worldbank.org/INTRANETENVIRONMENT/1705772-1210788188539/21819527/SEA_FOR_POLICIES.pdf

Sadler, Barry; Aschemann, Ralf; Dusik, Jiri; Fishcher, B. Thomas; Partidário, R. Maria and Rob Verheem, 2011. Handbook of Strategic Environmental Assessment. Taylor and Francis, USA, 589 pp.

OECD, 2006. Applying Strategic Environmental Assessment: Good practice guidance for development co-operation OECD DAC Guidelines and reference series, OECD, 160 pages; http://www.oecd.org/dataoecd/4/21/37353858.pdf

Schmidt, Michael; Glasson, John; Emmelin, Lars and Hendrike Helbron, 2008. Standards and Thresholds for Impact Assessment. Environmental Protection in the European Union ISSN 1613-8694. 487pp.

Therivél, Riki, 2010. *Strategic Environmental Assessment in Action*. Second edition, Earthscan, UK. (335 pages).
Strategic thinking for sustainability (ST4S) in strategic environmental assessment
(https://www.elgaronline.com/view/edcoll/9781789909920/9781789909920.00013.xml)

Conceptualizing strategic environmental assessment: Principles, approaches, and research directions
(https://www.sciencedirect.com/science/article/abs/pii/S0195925516300786?via%3Dihub#!)

Advancing practice relating to SEA alternatives
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Strategic environmental assessment: the state of the art
(https://www.tandfonline.com/doi/full/10.1080/14615517.2012.666400)

Optional Books and Scientific Papers:

Engert, S., Rauter, R., and Baumgartner, R. J. (2016). Exploring the Integration of Corporate Sustainability into Strategic Management: A Literature Review. *Journal of Cleaner Production,* 112(Part 4), 2833-2850. http://www.sciencedirect.com/science/article/pii/S0959652615011208

Kørnøv, Lone and Wil Thissen (2000) Rationality in decision- and policy-making: implications for strategic environmental assessment. Impact Assessment and Project Appraisal 18 (3) pp. 191–200

Schmidt, Michael; João, Elsa and Eike Albrecht (2005), Eike Implementing strategic Environmental Assessment. ISSN 1613 -8694. Springer Berlin, Heidelberg. 733 pp.

Slunge, Daniel, and Thi Huyen Tran Trang; 2014. Challenges to institutionalizing strategic environmental assessment: The case of Vietnam, *Environmental Impact Assessment Review*, Vol 48, pp 53-61.

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Access to the course / Tiếp cận khóa học

Tất cả các tài liệu đã phát triển cho môn học được đăng trong khóa học từ xa trên cơ sở nền tảng MOODLE. Bạn có thể tham gia khóa học từ xa sau khi đăng ký.

Các tài liệu kèm theo cũng được đăng trên trang web của dự án INTENSE: http://intense.network, http://intense.network/e-modules/.

Liên hệ:

Điều phối viên trường INTENSE

tại Trường Đại học Tài nguyên và Môi

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