

Course (MT03066):
(ENVIRONMENT AND COMPETITIVE ADVANTAGE OF THE BUSINESS)

1. General information

- Term: 7
- Credits: **Total credits: 2 (Lecture: 2 – Practice: 0)**
- **Self-study: 6** credits
- Credit hours for teaching and learning activities: 30 hrs
- Self-study: 90 hrs.
- Department conducting the course:
 - Department: Environmental Management
 - Faculty: Natural Resources and Environment
- Kind of the course:

| Foundation <input type="checkbox"/> | | Fundamental <input type="checkbox"/> | | Option 1 <input type="checkbox"/> | | Option 2 <input type="checkbox"/> | |
|-------------------------------------|--------------------------|--------------------------------------|--------------------------|-------------------------------------|--------------------------|-------------------------------------|--------------------------|
| Compulsory | Elective | Compulsory | Elective | Compulsory | Elective | Compulsory | Elective |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

- Prerequisite course(s): None

2. Course objectives and expected learning outcomes

*** Course objectives:**

- Knowledge: Course provided for students with knowledge in the benefits of environmental protection activities in the production and business towards achieving a competitive position and advantage.
- Skills: Course provide students with skills in applying the different environmental management tools in production and business.
- Attitude: Course provide students with attitudes in active learn, update and apply knowledge about environmental management of production and business for sustainable development.

*** Course expected learning outcomes**

| Notation | Course expected learning outcomes | PLO performance criteria |
|------------------|---|--------------------------|
| | After successfully completing this course, students are able to | |
| Knowledge | | |

| | | |
|-----------------|--|------|
| CELO1 | Apply scientific knowledge (politics, culture, law, management and environment), and understanding of currency issues to the field of accounting | 1.2 |
| CELO2 | Provide information useful for decision-making to stakeholders | 3.3 |
| Skills | | |
| CELO3 | Exchanging knowledge and experience with team members | 4.3 |
| CELO4 | Identify practical problems in the field of accounting | 6.1 |
| Attitude | | |
| CELO5 | Express a need for longterm learning | 10.2 |

3. Course description

Brief description of the course: This course includes providing students with the role of the environment in production, analyzing the benefits of paying attention to environmental issues to create a competitive advantage for the sustainable development.

4. Teaching and learning & assessment methods

| CELOs | CELO1 | CELO2 | CELO3 | CELO4 | CELO5 |
|------------------------------|-------|-------|-------|-------|-------|
| Teaching and learning | | | | | |
| Lecturing | x | x | | | |
| Case study | | x | x | x | |
| Group-based learning | | | | | x |
| Assessment | | | | | |
| Rubric 1. Assignments (10%) | | | | | x |
| Rubric 2. Presentation (30%) | | | x | x | |
| Rubric 3. Final exam (60%) | x | x | | | x |

5. Student tasks

- Attendance: All students must attend at least 24 theoretical lessons
- Preparation for the lecture: All students must read relevant articles/documents provided by the lecturer
- Assignment: All students must submit a report and present a presentation on the topic assigned by the lecturer
- Mid-term exam: All students must work with a team, and presentation and group discussion for assignment, the result of the assignment will be counted as midterm marks
- Final exam: All students must be attended a final exam

6. Text books and references

* *Text Books/Lecture Notes:*

1. European Commission. (2019). Report from the Commission to the European Parliament, the Council, the European Economic and Social Committee and the Committee of the Regions on the implementation of the Circular Economy Action Plan [Press release]. Brussels
2. Manfred Schreiner, (2002), Quản lý môi trường – Con đường kinh tế dẫn đến nền kinh tế sinh thái (TS. Phạm Ngọc Hân biên dịch), NXB Khoa học và kỹ thuật Hà Nội.
3. Hồ Thị Lam Trà, Lương Đức Anh, Cao Trường Sơn, (2012), Giáo trình quản lý môi trường. NXB Đại học Nông nghiệp Hà Nội.

* *Additional references:*

1. World Bank. (2019). *Vietnam: Toward a Safe, Clean, and Resilient Water System*. Washington, DC: W. Bank
2. Global Footprint Network. (2018). National Footprint Accounts 2018 edition. Retrieved 10/10/2018, from <https://data.footprintnetwork.org>
3. Nguyễn Thế Chinh, (2003), Kinh tế và quản lý môi trường, Nhà xuất bản thống kê
4. Phạm Ngọc Đăng, (2000), Quản lý môi trường đô thị và khu công nghiệp, Nhà xuất bản xây dựng
5. Jan Bebbington & Rob Gray; Ian Thomson & Heriot-Watt, (2019) Accountant's Attitudes and Environmentally-sensitive accounting, *Accounting & Business Research*, No.94 Spring, ISSN0001-4788
6. Nguyễn Hoàng Nam and Nguyễn Trọng Hanh, (2019). Thực hiện kinh tế tuần hoàn: Kinh nghiệm quốc tế và gợi ý chính sách cho Việt Nam, *VNU Journal of Science: Economic and Business*
7. Economic Research Institute for ASEAN and East Asia, (2021) Building Science, Technology and Innovation, Interface for Circular Economy of Agricultural Waste to Energy

8. Catherine Weetman, 2021, A Circular Economy Handbook: How to build a more resilient, competitive and sustainable business

7. Course outline

| Week | Content | Course expected learning outcomes |
|-------|--|-----------------------------------|
| 1,2 | Chapter 1: Environment is a factor of production | |
| | A/ Main contents: (6 hours) Theories: (6 hours) 1.1 Environment in the theory of production and cost 1.2 The environment is an input to the production process 1.3 The environment is received the output waste of the production process 1.4 Environmental characteristics of production | CELO1 |
| | B/ Self-study contents: (18 hours) 1.5 The relationship between environment and development 1.6 Basic manufacturing processes | CELO5 |
| | Chapter 2: Environmental protection and business goals A/ Main contents: (6 hours) Theories: (3 hours) 2.1 Basic goals of business economics 2.2 Environmental protection is the goal of the business 2.3 Purpose of Environmental protection 2.4 Environmental protection is the target of profit 2.5 Protect the environment is an opportunity to improve business Group discussion (3 hours) 2.6 Benefits of Environmental protection | CELO1, 2 |
| | B/ Self-study contents: (18 hours) 2.7 Sustainable Development 2.8 Green economy | CELO5 |
| 5,6,7 | Chapter 3: Environmental management system of business A/ Main contents: (9 hours) Theories: (6 hours) 3.1 The need to build an environmental management system 3.2 Structure of environmental management system (ISO 14001) 3.3 The benefits of business of applying an environmental management system 3.4 Some tools for environmental management (ISO 14000, Cleaner production, Environmental audit) Group discussion (3 hours) 3.5 Environmental Management in the world and Viet Nam | CELO2,3 |

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|--------|--|---------|
| | <p>B/ Self-study contents: (27 hours) 3.6 ISO 14000 3.7 Tool of Environmental management</p> | CELO2,5 |
| 8,9,10 | <p>Chapter 4: Economic analysis in environment management of business A/ Main contents: (9 hours) Theories: (6 hours) 4.1 Waste economy 4.2 Water economy and wastewater economy 4.3 Energy Economy 4.4 Air economy 4.5 Environmental responsibility of business 4.6 Waste economy strategy of business Group discussion (3 hours) 4.7 Status of environmental management in some enterprise in Vietnam</p> | CELO2,4 |
| | <p>B/ Self-study contents: (27 hours) 4.8 Environmental management by economic tools 4.9 System of legal documents on environmental protection in production and business</p> | CELO2,5 |