

# 293NOPRV312B – Sustainable procurement and logistics

Elective (Spring 2018/2019)

Course leader:	
Lecturer(s):	
Department:	Department of Logistics and Supply Chain Management
Office hours:	tba
Availability:	
Course type:	elective
Prerequisites:	-
Credits:	6 ECTS
Number of hours per semester	two 90 minute classes per week; lectures and seminars: 2+2 14+15=29
Time of class:	To be filled in
Venue:	Room number

## **Aims and objectives and description of the course:**

The course is recommended to those who are interested in sustainability issues, green business solutions, supply chain management, innovation, procurement and logistics. The objective of the course is to give theoretical and practical knowledge on the topic of sustainable supply chains.

## **Learning outcomes:**

The course prepares students for carrying out sustainability related projects for supply chain transformation, in order to reduce the environmental impacts.

Students will develop skills

- to map, analyze sustainable supply chain solutions
- to calculate the environmental effects of the supply chain aspects
- to plan sustainable processes within purchasing and logistics
- to give solutions for product end-of-life management

## **Course description**

The main topics of the class are based on sustainability theory and the three fundamental aspects of supply chain management. (1) Sustainability theory and indicators (2) Sustainable product and process design (3) Sustainable procurement basics (4) Ecolabels and sustainability criteria (5) Green logistics and transportation (6) Reverse logistics (7) Product

end-of-life cycle management (8) Life cycle costs and the financial side of sustainability programs (9) Emerging trends

**Methodology to be used:**

With lots of case studies from the European Union and other parts of the world, business simulations, multimedia contents the topic of sustainable procurement and logistics comes alive. Students are encouraged to take part actively in activities and presentations in order to gain practical knowledge valuable for future leading positions.

**Detailed class schedule, 1<sup>st</sup> – 15<sup>th</sup> week:**

<b><u>Date of class</u></b>	<b><u>Topics to be discussed, readings required for the class</u></b>
Week 1	Introductions, sustainability theory
Week 2	Sustainability indicators
Week 3	Basics of supply chain management
Week 4	Sustainable product and process design
Week 5	Sustainable procurement basics
Week 6	Quizz + Ecolabels and sustainability criteria
Week 7	Sustainability criteria of supply chains
Week 8	Green logistics and transportation
Week 9	Reverse logistics
Week 10	Product end-of-life cycle management
Week 11	Quizz+ Life cycle costs and the financial side of sustainability programs
Week 12	Emerging trends
Week 13	Final exam (if applicable)
Week 14	Make-up exam (if applicable)

**Assignments:**

Assignments will be introduced in the Seminar Syllabus.

### **Assessment, grading:**

Students are requested to read the assigned literature for the day before coming to class. Your final assessment will rely on your continuous work. The final grade will be based on the following:

(i) 20 % Case analysis

During the semester one take home case will be distributed. Students are expected to use their knowledge based on the topics discussed during the course and to focus on the assigned questions in their analysis.

(ii) 20 % Short written tests (Quizzes)

Two short quizzes will be held during the semester covering the topics before each quiz. The quizzes will be written on the Lecture on Week 6 and Week 11

(iii) 10 % Class participation and attendance

(iv) 50 % Final exam

It will be a closed book exam. It will include T/F, multiple choice and open questions based on the topics discussed in class.

(v) maximum 10 % Extra points

Instructors are able to distribute maximum 10 points as extra points for performance for extra-curricular performances.

Grades are **earned** by the students based on their class attendance, class participation, their achievements in the assignments (group or otherwise) and any quizzes, homework and midterm and final exam (where applicable). If the student completed at least one of the course takes either in full or in part, the subject can only be closed with a grade.

**Grades are not negotiable.** Any attempt at negotiation may potentially result in official disciplinary action!

### **Class attendance:**

Class attendance is mandatory. **Participation in lectures** is an important part of the process and understanding of the subject, and tutors have the right to make a so-called 'positive attendance sheet'. Based on the 'positive attendance sheet' the tutor can give 5% extra points beyond all the points obtainable for the final grade. **Attendance of the seminars is compulsory.** The acceptable level of absence is  $\frac{1}{4}$  of all lessons (i.e. 3 seminars). **In exceptional cases** (hospital treatment, permanent illness) provided that the total absence is less than 50%, the tutor can (if he/she so decides) give an opportunity for supplement. *Study and Examination Regulations – 21§ (3) and (5)*

In cases where the professor indicates that the classes (although termed "lecture" and "seminar" for administrative purposes) are, in fact, a mix of lecture and seminar/practical work, attendance at both classes is mandatory.

Simple doctor's certificates will not be accepted. If the student has exceeded the maximally allowed number of absences, only verifiable, official hospital- or treatment center documentation proving hospital treatment or permanent illness shall be accepted.

Students whose absence from the seminars exceeds the maximally allowed 3 occasions (partial seminar attendance or repeated late arrival can be counted as absence), will be given a “not signed” (aláírás megtagadva”) grade. Students receiving the “not signed” grade will not have the option of taking either the final or any of the retake examinations, but shall have to retake the course in a subsequent semester.

Students who in any way disrupt a class (lecture or seminar) will be warned once. If the student’s disruptive behavior continues after the first warning, the tutor has the right to send the student out of the room and note that the student has been absent from the given class.

### **Cheating, plagiarism**

Any attempt at cheating or plagiarism (see: <http://isp.uni-corvinus.hu> / Current students / Thesis Work – first downloadable file) in quizzes, assignments or at examinations shall result in an automatic “F” (fail) grade and the student will not be able to take either the final examination or the retake examinations, but shall have to retake the course in a subsequent semester.

Please note that professors have access to a professional plagiarism checker throughout the academic year and can check any assignment submitted.

For information on how to cite when writing an assignment or paper, please check here (<http://isp.uni-corvinus.hu/index.php?id=55379> Thesis Work Guidance Bachelor BM & IB pp: 5, 7, 8).

### **Examinations and retake examinations**

In keeping with the Corvinus Study and Examination Regulations, a total of 3 examination opportunities shall be offered in the case of core courses (except for the CIEE courses where – in keeping with the American Educational Regulations only a single examination opportunity will be given), or in the case of the elective courses where professors can decide to offer only 1 or 2 opportunities.

The examinations will be spaced out during the official examination period, although the first examination (taking into consideration the foreign exchange students) will be held during the first week of the final examination period. Students returning home prior to the end of the official examination period do so at their own risk as no special consideration shall be given in such cases.

Students must sign up for exams through the Students Information System (Neptun).

The registration for and deregistration from chosen exam date(s) may be modified not later than 24 hours prior to its start. Examinations held on Mondays are exceptions, since exams on Mondays must be signed up for no later than 72 hours prior to the start. (*Study and Examination Regulations* 22.§ 2.) Students not signed up for a given examination will not be allowed to take it.

Students signed up for a given exam but failing to take it will be given a “not present” (“nem jelent meg”) grade. While such a grade will not decrease the total number of times they can attempt the examination, it will result in a special administrative fee.

**Compulsory reading:**

Sustainability Delivered: Designing Socially and Environmentally Responsible Supply Chains, Madeleine Pullman, Margaret Sauter, Business Expert Press (2012), ISBN-13: 978-1606493182

+ Articles and other materials related to the class topics made available on Moodle.

**Recommended readings:**

Green Supply Chains: An Action Manifesto, Part 3: Green Procurement and Sourcing, Stuart Emmett, Vivek Sood, Wiley,2010, ISBN: 978-0-470-68941-7

**Grading:**

### International grading scale

<i>Percentage achieved</i>	<i>International grade</i>
97-100	<b>A+</b>
94-96	<b>A</b>
90-93	<b>A-</b>
87-89	<b>B+</b>
84-86	<b>B</b>
80-83	<b>B-</b>
77-79	<b>C+</b>
74-76	<b>C</b>
70-73	<b>C-</b>
67-69	<b>D+</b>
64-66	<b>D</b>
60-63	<b>D-</b>
0-59	<b>F</b>

### Hungarian and ECTS grading scale

<i>Percentage achieved</i>	<i>Hungarian grade</i>	<i>ECTS equivalent</i>	<i>Explanation for the Hungarian grade</i>
87-100	<b>5</b>	<b>A</b>	<b>Excellent</b>
77-86	<b>4</b>	<b>B</b>	<b>Good</b>
67-76	<b>3</b>	<b>C</b>	<b>Satisfactory</b>
60-66	<b>2</b>	<b>D</b>	<b>Pass</b>
0-59	<b>1</b>	<b>F</b>	<b>Fail</b>
	<b>Nem jelent meg</b>	<b>DNA</b>	<b>Did not attend (no credit)</b>
	<b>Nem vizsgázott</b>	<b>I</b>	<b>Incomplete (no credit)</b>
	<b>Aláírva</b>	<b>S</b>	<b>Signed (no credit)</b>
	<b>Megtagadva</b>	<b>R</b>	<b>Refused (no credit)</b>