

Current Trends

Code: 102770
ECTS Credits: 3

Degree	Type	Year	Semester
2502441 Computer Engineering	OT	4	2

The proposed teaching and assessment methodology that appear in the guide may be subject to changes as a result of the restrictions to face-to-face class attendance imposed by the health authorities.

Contact

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Use of Languages

Principal working language: catalan (cat)
Some groups entirely in English: No
Some groups entirely in Catalan: Yes
Some groups entirely in Spanish: No

Prerequisites

Those established by the progression plans, within the section on registration progress. As this is a fourth-year subject, at least all first-year subjects and a total number of 120 credits from the first three courses must have been successfully completed.

Objectives and Contextualisation

The subject aims to provide students with an understanding of new approaches, tools, methodologies and systems that, due to their special characteristics, are rarely covered in conventional subjects.

The following will be included:

- Workshops and courses on specific current technology.
- Familiarisation activities relating to the world of business and entrepreneurship.
- Conferences organised by the departments or within the framework of bachelor's-degree subjects and master's-degree subjects taught at the School.
- Talks, conferences, seminars and workshops organised external institutions or companies, proposed by the lecturing staff.
- Talks, conferences, seminars and workshops organised external institutions or companies, proposed by students (validated by the lecturer responsible for the subject).
- MOOC courses or similar, proposed by lecturers or students, the latter with prior validation by the lecturer responsible for the subject.

Competences

- Acquire thinking habits.
- Communication.
- Have the right personal attitude.

Learning Outcomes

1. Communicate efficiently, orally or in writing, knowledge, results and skills, both in the professional environment and before non-expert audiences.
2. Develop a capacity for analysis, synthesis and prospection.
3. Develop a mode of thought and critical reasoning.
4. Develop curiosity and creativity.
5. Maintain a proactive and dynamic attitude with regard to the development of ones own professional career, personal growth and continuing education. Be able to cope with adversities.
6. Manage information by critically incorporating the innovations of ones professional field, and analysing future trends.

Content

The programming of this subject can vary from year to year to adapt it to the most current trends in the business and/or computer science and technology worlds, and in accordance with the proposals presented by the School, the departments and external institutions and companies.

Throughout the course, the subject's Moodle classroom on the UAB Virtual Campus will publish all the activities that students can choose from in order to complete the total number of hours necessary to pass the subject (70 hours).

We hope to be able to present a wide range of activities, in different time slots, so that students can take these along with the other subjects being studied.

Although this is programmed as a second-semester subject, activities will be scheduled throughout the academic year.

Students can propose activities by sending an email to the lecturer responsible for the subject.

Methodology

There are two types of teaching/learning activities:

- Attendance of activities. Students should attend, in a timely and complete manner, the set of activities that have been chosen. During the sessions, a participatory and critical attitude should be adopted, and notes should be taken to facilitate writing the assessment/ summary sheet that will be attached to the activity report. Attendance will be monitored for each session.
- Drafting the activity report. For all the distinct activities, students must include proof of attendance, the notes taken (where applicable), the work to be submitted, in addition to an evaluation and critical commentary for each session. An overall assessment of the subject is also required. The report must be submitted in digital format on the date specified in the Moodle classroom.

Content of the Report:

- Cover: subject name, student name and academic year.
- Index: in table format, with one row per activity. For each activity: name, hours and page number on which the related documentation begins. At the end, total number of activities and hours must be indicated.
- Global assessment of the subject (strengths, weaknesses and proposals for improvement).
- For each activity, a file with the following data:
 - Title, date, time, place, company, name of speaker, web link, cost, etc.
 - Answer the following questions:
 - I think that the activity is in line with my expectations: (Agree completely/Agree somewhat/Disagree somewhat/Disagree completely).
 - I found the content and approach interesting: (Agree completely/Agree somewhat/Disagree somewhat/Disagree completely).
 - I think that having done this activity will be useful to me: (Agree completely/Agree somewhat/Disagree somewhat/Disagree completely).
 - Overall rating: (from 0 to 10).

Critical commentary (positive and negative aspects).
Summary of the activity.
Certificate of attendance/achievement.

Dissemination of activities:

Throughout the course, the various activities will be published in the subject's Moodle classroom on the UAB Virtual Campus, and will indicate: a description of the activity; timetable and schedule; place; activity's equivalence in hours within the subject; how to sign up; means of attendance-monitoring; work to be done for inclusion in the final report; any other information considered to be of interest. Students can propose activities by sending an email to the lecturer responsible for the subject.

Activities

Title	Hours	ECTS	Learning Outcomes
Type: Directed			
Attendance of activities and preparation of summaries and assessments	70	2.8	4, 3, 6, 5
Type: Autonomous			
Final drafting of the activity report	5	0.2	1, 2, 4, 3, 6, 5

Assessment

The final grade for the subject will be calculated from the activity report, taking into account the group of documents that the report contains.

The evaluation will assess compliance with presentation of all requested documentation, as well as:

- Use of a suitable style in light of the nature of the document. Content and vocabulary used must be perfectly aligned to the context.
- Clarity of writing, use of syntactically correct phrases, with no spelling mistakes and with appropriate punctuation.
- A critical capacity when assessing the distinct technological innovations, the activities and the subject.
- Originality of the documents. All material presented must be the students' own work and must cite, if applicable, the sources used. Plagiarism is considered a serious misdemeanour that will result in an automatic fail grade for the task in question.
- Creativity when presenting the documentation and discussing content.
- Diversity of activity types and themes.
- Level of activities selected; these should be useful for the development of students' own professional career, personal growth and continuing education.
- Information management, incorporating innovations within the professional field and analysing future trends in a critical manner.
- Analysis of current trends.

A fail grade may be awarded for the subject if it is considered that the report does not meet minimum requirements. In such an event, a retake opportunity will be given to obtain a pass grade.

Once the final grade has been published, a place, date and time for a review session will be indicated. This session will allow students to review the activity with the lecturer. In this context, the grade awarded may be challenged; this will be evaluated by the lecturers responsible for the subject. If students do not attend this review, they cannot subsequently review their work.

The total hours taken on online MOOC or similar courses can, in no case, represent more than 50% of total subject hours. It must be kept in mind that that approval must be granted for such a course-before taking the course-by the lecture responsible for the subject.

An indispensable condition for passing the subject is that the total number of activity hours is equal to or greater than 70. For each one of the activities taken, the attendance-control sheet or justification of activity-compliance must be included in the report. Failure to do so will result in the said activity being excluded from overall student assessment.

All activities must be carried out during the academic year in which they the student is registered. Students who are repeating cannot include activities carried out in previous academic years.

Students who do not submit the activity report will be given the grade "no evaluable (NA)" (*not evaluable*).

A necessary condition to pass the course with honors is to have achieved a grade of 9 or more points. Since the number of such distinction awards cannot exceed 5% of students registered on the subject, those students having the highest final grades will be awarded this distinction.

Without prejudice to any other disciplinary measures considered appropriate, irregularities carried out by students that may lead to a variation in their grading will be awarded a zero. In this respect, copying, plagiarising, dishonesty, allowing work to be copied, etc., in any of the assessment activities, will result in the automatic awarding of a zero.

Assessment Activities

Title	Weighting	Hours	ECTS	Learning Outcomes
Activity report	100	0	0	1, 2, 4, 3, 6, 5

Bibliography

Any