

Addendum to the Course Information Year 2021-2022

Possible adaptations due to COVID 19:

- **Scenario A:** Face-to-face reduced schedule
- **Scenario B:** Face-to-face suspended schedule

Bachelor in Computer Science Engineering

General Information of the course

Name: Bioinspired Models and Search Heuristics

Code: 606010239

Year: 4

Semester: 2

Course Information

<http://www.uhu.es/etsi/estudiantes-2/incoming-students/>

SCENARIO A

Syllabus adaptation

Not applicable

Adequacy of training activities and teaching methodologies

Training activity	Type*
Theoretical sessions	Online
Problem solving sessions	Online
Sessions in laboratory or computer classroom	Face-to-face
Academically directed teaching activities	Online

* Face-to-face/Online

Description of teaching methodologies used for each training activity

The theory sessions and academically supervised activities will be carried out synchronously online by videoconference in most cases, although some sessions could be prerecorded by the teacher and available for viewing from the day and time of the session according to schedule (asynchronous online) and complemented by sending the presentations by moodle.

- The Development of Practices in Specialized Laboratories or Computer Rooms in small groups in person will be carried out normally in the computer room according to their schedule, respecting the health prevention indications, using the laboratory and / or student equipment

Description of teaching methodologies used for each training activity (continued)

The rest of the non-face-to-face training activities and their corresponding teaching methodologies are described in the subject's teaching guide.

Adaptation of evaluation system (continuous assessment)

Evaluation system	Type*	Percentage
Defense of works and written reports	Face-to-face	50
Assessment tests using virtual teaching platforms	Asynchronous	40
Participation in the proposed activities	Asynchronous5	10

* Face-to-face/ Synchronous/ Asynchronous

Description of evaluation system

In this scenario A, the entire continuous assessment system coincides exactly with the assessment system for the subject described in the title report. Therefore, the subject guide should be consulted to see all the specific questions of the same.

The evaluation tests through a virtual teaching platform consist of the delivery of several practices with an individual value of each one less than 50% of the total grade for the subject

Description of evaluation system (continued)

To pass the course it is required to have more than a 5 average and the practical part passed as explained below:

For Ordinary Call II:

- Approved practices and activities are only kept until September.
- The activities or practices not passed will be recovered on the day of the September call. These will be evaluated by delivery and face-to-face defense of the same practice / activity of the course or another with similar content published at least 2 weeks in advance in moodle. If there are no specific activities / practices for said call on that date, the same ones raised during the course will be delivered.

For the rest of the calls, the single evaluation will apply

Adaptation of evaluation system (final assessment)

Sistema de Evaluación	Formato*	Porcentaje
Theory / Problem Test	Face-to-face	50
Practice exam	Face-to-face	50

* Face-to-face/ Synchronous/ Asynchronous

Description of evaluation system

In this scenario A, the entire final single assessment system exactly matches the assessment system for the subject described in the title report. Therefore, the subject guide should be consulted to see all the specific questions of the same.

The theory / problem exam will include a section to evaluate the student's follow-up. Those students who consider it may choose to take a single final evaluation. In this case, you must submit an application in the GENERAL REGISTRY of the University, in any of its AUXILIARY REGISTRIES or in the TELEMATIC REGISTRY, addressed to the department management and the subject coordinator. The single final evaluation will consist of a single academic act that, for all official calls, will consist of the following tests:

- Theory block (50%): It covers the AC (40%) and AAD (10%) assessment systems and will consist of an exam of theoretical questions / problems that may include development in pseudocode to solve a problem similar to those developed in practices, it is face-to-face and individual and lasts for an hour and a half. The subject matter of the examination will be all the one treated throughout the course. Only the documentation provided by the teaching team on the day of the test can be used. As far as possible, it will be done in a computer room.
- Practice block (50%): Covers assessment systems (EDF). It will consist of an exam in which an eminently practical statement will be presented similar to the content in the practice statements proposed throughout the course. This statement may refer to more than one thematic block. They have a face-to-face and individual character and a duration of 4 hours, divided into 3 hours for the resolution and one hour at the end for the oral defense of the same in the same conditions as the practices defended during the course. Only the documentation provided by the teaching team on the day of the test can be used. As far as possible, it will be done in a computer room.

It will be necessary to obtain an average 5 and at least a 5 in the practical part to pass the course

SCENARIO B

Syllabus adaptation

Not applicable

Adequacy of training activities and teaching methodologies

Training activity	Type*
Theory sessions on the contents of the program	Online
Problem solving sessions	Online
Practical sessions in specialized laboratories / computer rooms	Online
Academically directed activities by the faculty	Online

* In scenario B, all the training activities will be carried out *Online*

Description of teaching methodologies used for each training activity

In this scenario B, the theory sessions on the contents of the program, the problem solving sessions and the practical sessions will be carried out, jointly and indistinctly, in online format at the time established by the Center.

During that time, through videoconference or another synchronous method, the teaching staff will be in connection with the students to explain theoretical concepts and to carry out exercises and practices that reinforce the knowledge acquired

Delivery and Oral Examination of Practices by video-audio conference
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Delivery of Own Documents (individual or in group)
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Directed Academic Activities and Student Follow-up
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Evaluation system	Type*	Percentage
Delivery and Oral Examination of Practices by video-audio conference	On-line	50
Delivery of Own Documents (individual or in group)	On-line	40
Directed Academic Activities and Student Follow-up	On-line	10

* In scenario B, all the evaluation systems will be carried out *Online*

Description of evaluation system

The evaluation principles of the subject follow preferably continuous evaluation criteria.

- 50% Delivery and Oral Exam (Defense) of Practices (EDF): consisting of carrying out 4 practices and their asynchronous online defense by videoconference in the time and form described in the description of the practice. To consider the practice passed, you must meet the following requirements:
 - Pass an oral exam on its content. The student must know which theoretical section corresponds to each developed part and be able to explain it with the support of the material that he deems appropriate.
 - The mandatory parts established in each practice must be correctly implemented with respect to what is indicated in the subject and the requested analysis must correspond to what is explained in theory. If either of the two parts (code and documentation) does not have a sufficient level, the practice is considered not passed.

- 40% Class activities (AC) (Delivery of own documents, individual or in group): 4 asynchronous online activities of equal weight, not necessarily planned, will be carried out on some topics, in the theoretical sessions consisting of any of these tasks:
 - Delayed search and / or presentation of information in class on a particular concept
 - Short questions and reasoning about any of the given topics
 - Theoretical and practical approaches to be developed in class about a problem
 These activities will be collected through moodle within a specified period.

- 10% Directed Academic Activities (AAD) and Student Follow-up, consisting of optional practical parts or optional works, collected asynchronously online through the moodle platform within a specified period.

To pass the course it is required to have more than a 5 average and the practical part passed as explained below:
For Ordinary Call II:

- Approved practices and activities are only kept until September.
- The activities or practices not passed will be recovered on the day of the September call. These will be evaluated by means of synchronous online delivery and defense of the same practice / activity of the course or another with similar content published at least 2 weeks in advance in moodle. If there are no specific activities / practices for said call on that date, the same ones raised during the course will be delivered.

Evaluation system	Type*	Percentage
Oral examination by videoconference	Online	50
Open response written test	Online	50

* In scenario B, all the evaluation systems will be carried out *Online*

Description of evaluation system

Those students who consider it may choose to take a single final evaluation. In this case, you must submit an application in the GENERAL REGISTRY of the University, in any of its AUXILIARY REGISTRIES or in the TELEMATIC REGISTRY, addressed to the department management and the subject coordinator. The single final evaluation will consist of a single academic act that, for all official calls, will consist of the following tests:

- Theory block (50%): It covers the AC (40%) and AAD (10%) assessment systems and will consist of an oral exam through videoconference of theoretical questions / problems that may include development in pseudo-code to solve a problem similar to those developed in practices, has a face-to-face and individual character and a maximum duration of one hour. The subject matter of the examination will be all the one treated throughout the course. Documentation cannot be used.
- Practice block (50%): Covers assessment systems (EDF). It will consist of an exam (open-ended written test) in which an eminently practical statement will be presented similar to the content in the practice statements proposed throughout the course. This unpublished statement may refer to more than one thematic block. They are face-to-face and individual and have a maximum duration of 3 hours, divided into 2 hours for the resolution (after which the student must upload the resulting code to moodle) and then a maximum of one hour for the oral defense of the same by videoconference, under the same conditions as the practices defended during the course. Documentation and the internet may be used for the code development part, but not for the oral subsequent defense by videoconference.

It will be necessary to obtain an average 5 and at least a 5 in the practical part to pass the course