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| IKASGAIA/ASIGNATURA/SUBJECT: Vigilancia Científica y Tecnológica / Science & Technology Surveillance | | |
| MODULUA/MÓDULO/MODULE: Projects and Company | | |
| KODEA/CÓDIGO/CODE: VCT 04-2023/24 | KURTSOA/CURSO/COURSE: 4º | KOKAPENA/UBICACIÓN/PERIOD: 7th/8th Semester |
| IRAUPENA/DURACIÓN/DURATION: 150 h | KREDITUAK/CRÉDITOS: 6 ECTS | MOTA/TIPO/TYPE: Internship |
| IRAKASLEA/PROFESOR/LECTURER: Roberto Altzerreka | | HIZKUNTZA/IDIOMA/LANGUAGE: English |

HELBURUA – OBJETIVO - OBJECTIVE: Carry out a synthesis work on a technical or scientific topic that corresponds to questions that arise in companies. It can also contribute to a research project.

| IKAS-PROZESUAREN EMAITZAK/ RESULTADOS DE APRENDIZAJE/ LEARNING OUTCOMES | ASOZIATUTAKO GAITASUNAK / COMPETENCIAS ASOCIADAS/ ASSOCIATED COMPETENCIES | EDUKIAK/ CONTENIDOS/ CONTENTS |
|--|--|---|
| <ul style="list-style-type: none"> To study a problem from a scientific and technical point of view in order to identify different solutions and propose them. To acquire or deepen knowledge in a scientific or technical field. To integrate and respect a methodical and rigorous procedure To carry out a search for information based on documentary resources, analysis of experiences, consultation of experts, etc. Work in a team, organising the distribution of tasks. Research and describe the scientific and technical aspects, compare with other objects, materials or techniques. Write a clear and concise document, usable in the company and in a dissemination perspective. Clearly and concisely present the result of the work. | <p>CB1, CB2, CB3, CB4, CB5, CG4, CG4.1, CG4.2, CG4.3, CG4.4, CG4.5, CE2, CE2.1, CE2.2, CE2.3, CE2.4, CE2.6, CM1, CM2, CM3, CM4, CM5, CM6</p> | <ul style="list-style-type: none"> The topics can be combined and come from needs expressed by the company tutors, from individual needs for further training and from proposals from organisations working with the school. The students' approach should lead them to: <ul style="list-style-type: none"> Start from the questions that arise. Identify, choose and delimit the topic to be studied Placing the topic in its context Seek scientific or technical information aimed at analysing what already exists Seek out prospects for development and/or the conditions of application Validate the information you have selected Synthesise this information To provide them in writing and orally for the purpose of communication and dissemination. It must contain at least the following elements: <ul style="list-style-type: none"> A summary in Basque, Spanish and English. A table of contents An introduction A development of the topic covered The perspectives of evolution and/or the conditions of applicability A conclusion A bibliography |



BALIABIDE /METODOLOGIA PEDAGOGIKOAK - MEDIOS/MÉTODOS PEDAGÓGICOS – PEDAGOGICAL METHODS:

- Explanatory and/or demonstrative sessions by the teacher.
- Carry out a study of a problem from a scientific and technical point of view in order to identify different solutions and propose them.

BIBLIOGRAFIA – BIBLIOGRAFÍA - BIBLIOGRAPHY:

- Documentation in Moodle
- Workload notebook
- Depending on the work to be done

IRAKASKUNTZA MOTA -TIPO DE DOCENCIA – TYPE OF TEACHING:

Irakaskuntza mota/Tipos de docencia/Teaching types:

M=Magistrala/Magistral/Master; **S**=Mintegia/Seminario/Seminar; **GA**=Gelako praktikak/Prácticas de Aula/Practical testing in classroom; **GL**=Laborategiko praktikak/Prácticas de Laboratorio/Laboratory Tests; **GO**=Ordenagailuko praktikak/Prácticas de ordenador/Computer Tests; **TA**=Tailerra/Taller/Workshop; **TI**=Tailer industriaial/Taller Industrail/Industrial workshop;

| Irakaskuntza mota / Tipo de docencia / Type of teaching | M | S | GA | GL | GO | TA | TI |
|--|-----|----|----|----|----|----|----|
| Ikasgelako eskola-orduak /Horas de docencia presencial /Face-to-face class hours | 100 | 36 | | | | | |
| Ikasgelaz kanpoko ikaslearen orduak / Horas de actividad no presencial del alumno/ Student hours outside the classroom | 14 | | | | | | |



EBALUAZIO METODO ETA IRIZPIDEAK – MÉTODOS Y CRITERIOS DE EVALUACIÓN – EVALUATION METHODS AND CRITERIA

ETENGABEKO EBALUAZIOA - EVALUACIÓN CONTINUA – CONTINUOUS EVALUATION

AZKEN EBALUAZIOA - EVALUACIÓN FINAL – FINAL EVALUATION

Ebaluazio probetan erabili ahal izango diren baliabide eta bitartekoak / Medios y recursos que se podrán utilizar en las pruebas de evaluación / Resources that can be used in the evaluation tests

OHIKO DEIALDIA - CONVOCATORIA ORDINARIA – REGULAR CALL

- The assessment will be made on the basis of five elements:
 - Newsletter 10 %
 - Monitoring system, experts 30%.
 - Written report 20%
 - Poster 30%
 - Oral presentation 10%
- In case of failure, the elements "Written report", "Poster" and "Oral presentation" will be repeated according to the guidance received.
- The elements "Newsletter" and "Monitoring system" are not recoverable in the proposed format. In case of failure, an additional work related to technology surveillance will be carried out, to be agreed with the teacher.
- Compulsory to attend all the oral presentations, except for duly justified reasons, not attending will result in a 0 in this section of the evaluation. In case of failure in this section, an additional work will be carried out on the projects carried out by all the groups of the course to be agreed with the teacher.
- In order to pass the course, a minimum mark of 5 must be obtained in each and every one of the elements.

EZOHIKO DEIALDIA - CONVOCATORIA EXTRAORDINARIA – EXTRAORDINARY CALL

- The element that has not been approved according to the above guidelines shall be recovered.