Universitat de Lleida

DEGREE CURRICULUM
COMPUTER SCIENCE AND STATISTICS

Coordination: VAQUERO TIÓ, EDUARD

Academic year 2018-19

Subject's general information

Subject name	COMPUTER SCIENCE AND STATISTICS			
Code	100903			
Semester	1st Q(SEMESTER) CONTINUED EVALUATION			
Typology	Degree	Course	Character	Modality
	Bachelor's Degree in Social Educator	2	COMMON	Attendance-based
Course number of credits (ECTS)	6			

Type of activity, credits, and groups	Activity type	PRAULA	TEORIA
	Number of credits	1.8	4.2
	Number of groups	2	1

Coordination	VAQUERO TIÓ, EDUARD
Department	PEDAGOGIA
Important information on data processing	Consult this link for more information.

Teaching staff	E-mail addresses	Credits taught by teacher	Office and hour of attention
ESTRADA ROCA, MA ASSUMPTA	aestrada@matematica.udl.cat	3,9	
FERNÁNDEZ RODRIGO, LAURA	laurafernandez@pip.udl.cat	1,4	
VAQUERO TIÓ, EDUARD	eduardvt@pip.udl.cat	2,5	

Learning objectives

1. Express clearly and precisely the key concepts of the subject.
2. Expose, reflectively and critically, the elements that make up and determine digital inclusion and exclusion in vulnerable groups.
3. Propose specific actions of inclusion and digital literacy with groups at risk of social exclusion due to digital illiteracy.
4. Select the appropriate computer application according to the needs analyzed.
5. Use correctly the main functions of computer applications commonly used in the work environment of the social educator.
6. Manifest an attitude of integration of ICT in their professional development as a social educator.
7. Organize and interpret information from the work environment of the social educator.
8. Know the descriptive statistics and its applications in the social sciences.
9. Use correctly the most usual statistical distributions in socio-educational contexts.
10. Effectively address the search, reading and critical commentary of texts related to social education
11. Resolve cooperatively socio-educational content study tasks.

Competences

- CG1: Develop a critical capacity, analysis, synthesis, organization and planning.
- CG2: Exercise autonomous learning, adaptation to new situations and openness to lifelong learning and development of creativity, initiative and entrepreneurial spirit.
  Oral and written communication, in the mother tongue and a foreign language, and use of Information Technologies (ICT) in the professional context and capacity for selection, knowledge management and information.
- CG3: Show ability to work as a team, to lead and lead groups, to resolve conflicts, make decisions and develop skills for interpersonal relationships.
- CG5 Develop capacity for selection, knowledge and information management.
- CE3: Know the philosophical, pedagogical, psychological, sociological and anthropological assumptions and any other theoretical foundations of the socio-educational intervention and its fields of action.
- CE9: Design and carry out initiation projects for research on the social and institutional environment where the intervention is carried out.
- CT1 Have a correct oral and written expression
- CT3 Master ICT

Subject contents

- The statistics and its applications.
- Organization of information. Frequencies, tables and graphs.
- Measures of central tendency and dispersion.
- Regression and linear correlation.
- Computer applications
- The information society and ICT.
- Digital literacy and digital inclusion and exclusion.
- Integration of ICT in the field and professional profile of the social worker.
- Technological risks and potential
- ICT and socio-educational research.

Methodology

Attendance (40%) 2,4 ECTS

Master class group lesson (40%)	24 horas
Classroom practices in small group or individual (40%)	24 horas
Seminars (10%)	6 horas
Small group or individual tutoring (10%)	6 horas

Non-attendance (60%) 3,6 ECTS

Study of the theoretical and practical contents (44%)	40 horas
Reading of texts and elaboration of related tasks (12%)	10 horas
Information management using ICT (22%)	20 horas
Research work done cooperatively (22%)	20 horas

ECTS	Hours	Total hours	Attendance	Non-attendance	Class group	Small group
6	25	150	60	90	42	18
% of total hours	40%	60%	70%	30%		

Development plan

The work plan will be detailed at the beginning of the course.

Evaluation

The subject includes two types of evaluation, continuous and alternative.

Continuous mode:

The continuous modality includes the following evaluation activities:

Evaluation activity	%	Type	Minimum qualification to mean	Evaluation date
Social web research project	45%	mandatory	4 points to 10	It will be informed at the beginning of the course
Written test	45%	mandatory	4 points to 10	It will be informed at the beginning of the course
Computer and statistical practices	10%	attendance and madatory	Suitable	-

Alternative mode:

The student who wishes it will have the right to renounce the continuous evaluation at the beginning of the course and take advantage of the alternative evaluation modality at the end of the subject. To do this, you must submit an instance in the secretariat within the deadline and provide supporting documentation of work activity and / or other personal situations that prove that you can accept this type of modality.

Evaluation activity	%	Type	Minimum qualification to mean	Evaluation date
Social web research project	40%	mandatory	4 points to 10	It will be informed at the beginning of the course
Written test	60%	mandatory	4 points to 10	It will be informed at the beginning of the course

Recuperation:

There will be recuperation tests for those students who do not obtain the minimum qualification to weight on those evidences that have a weight equal to or greater than 30%. These tests can not be used to upload a grade. In the case of making the recovery of any of the activities, the grade of that evidence will never exceed 6 out of 10.

Evaluation activity	%	Type	Minimum qualification to mean	Evaluation date
Social web research project	45-40%	mandatory	4 points to 10	It will be informed at the beginning of the course
Written test	45-60%	mandatory	4 points to 10	It will be informed at the beginning of the course

Notes:

The final grade of the subject is the result of the weighted average of the different evaluation activities according to the criteria collected in the previous tables according to the evaluation modality. The evaluation criteria for each of the activities, as well as the hours and classrooms of the exams will be announced at the beginning of the subject. The subject is considered passed when the student has obtained a final numerical grade equal to or greater than 5 out of 10.

The works that are made in the development of the subject will always incorporate a bibliography and webgraphy where a minimum of 10 documents come from books and / or magazines.

An indispensable requirement is the linguistic and formal correction in the written productions following the guide of works that you will find in http://www.fce.udl.cat/Recursos/guies/guiatreballs.pdf

Works with more than 10 misspellings or incorrectly submitted will be returned to the student for correction. These formal errors will affect up to 10% of the qualification of the subject.

The productions of the students must be original. Plagiarism or copying in a single evaluation evidence is a sufficient reason for suspending the evidence and may lead to the suspension of the subject. The faculty will be able to use the tools and criteria anticopia and antiplane that they consider appropriate.

Bibliography

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COMPLEMENTARY REFERENCES

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