COURSE DATA

Data Subject	
Code	33006
Name	Use of Information communication technology (ICT)
Cycle	Grade
ECTS Credits	6.0
Academic year	2021 - 2022

Study (s)

Degree	Center	Acad. year	Period
1202 - Degree in Physiotherapy	Faculty of Physiotherapy	1	First term

Subject-matter

Degree	Subject-matter	Character
1202 - Degree in Physiotherapy	6 - Information technology	Basic Training

Coordination

Name	Department
CASAÑA GRANELL, JOSÉ	191 - Physiotherapy
EZZATVAR DE LLAGO, YASMIN	191 - Physiotherapy

SUMMARY

Introduction and use of new technologies applied to Phisiotherapy (Social Media, Informatics, Ofimatic and Multimedia tools) and learning of information research tools and preparation of scientific papers.

PREVIOUS KNOWLEDGE

Relationship to other subjects of the same degree

There are no specified enrollment restrictions with other subjects of the curriculum.

Other requirements

It is not necessary previous requirements.

OUTCOMES

1202 - Degree in Physiotherapy

- Students must have acquired knowledge and understanding in a specific field of study, on the basis of general secondary education and at a level that includes mainly knowledge drawn from advanced textbooks, but also some cutting-edge knowledge in their field of study.
- Students must be able to apply their knowledge to their work or vocation in a professional manner and have acquired the competences required for the preparation and defence of arguments and for problem solving in their field of study.
- Students must have the ability to gather and interpret relevant data (usually in their field of study) to make judgements that take relevant social, scientific or ethical issues into consideration.
- Students must be able to communicate information, ideas, problems and solutions to both expert and lay audiences.
- Students must have developed the learning skills needed to undertake further study with a high degree of autonomy.
- Know and understand the sciences, models, techniques and instruments on which Physiotherapy is based, structured and developed
- Work on and systematically complete physiotherapy records
- Respect fundamental rights and equality between men and women.
- Recognise diversity, multiculturality, democratic values and peace culture.
- Work in teams.
- Have the ability to organise and plan work.
- Acquire knowledge related to the information and communication technologies.
- Acquire sensitivity to environmental issues.
- Acquire basic knowledge about hardware and software.
- Know how to use basic office software.
- Know how to use the Aula Virtual of the Universitat de València.
- Know how to use servers and e-mail.

LEARNING OUTCOMES

Students will be able to organize the information generated in their daily work efficiently and clearly.

Students will be able to seek and safeguard any information previously stored in a computer safely.

Students will be able to write clear and structured documents using formats and references to the word processor will provide.

DESCRIPTION OF CONTENTS

1. GENERAL ENVIRONMENT

UNIT 1
ICTs IN PHYSIOTHERAPY.
UNIT 2
INTRODUCTION TO COMPUTERSCIENCE AND TELECOMMUNICATIONS
UNIT 3
TREATMENT OF INFORMATION. BASIC TASKS
UNIT 4
WEB ENVIRONMENT. INTERNET. SECURITY AND PRIVACY
UNIT 5
NEWS IN ICTSs

2. SPECIFIC ENVIRONMENT

UNIT 6
OFFICE SUITE AND MULTIMEDIA
UNIT 7
MULTIMEDIA PRESENTATIONS. WRITTEN AND ORAL STRATEGIES FOR COMMUNICATION
UNIT 8
WEB ENVIRONMENT AND TOOLS
UNIT 9
WEB 2.0 TOOLS (i) (blogs, webs, podscasts, social networks, tags, social bookmarks and geolocators)
UNIT 10
WEB 2.0 TOOLS (ii) (wikis, content syndication, RSS fees, social news, document presentations, mind maps and online timelines)
UNIT 11
WEB 2.0 TOOLS (iii) (image and photo albums, music and videocasting, web storage, use of virtual disks)

3. SCIENTIFIC ENVIRONMENT

UNIT 12
BASIC ASPECTS OF RESEARCH IN PHYSIOTHERAPY
UNIT 13
SEEKING INFORMATION. BIBLIOGRAPHIC DATABASES, SEARCH ENGINES, PORTALS AND MANAGERS OF SCIENTIFIC INFORMATION

UNIT 14
MANAGEMENT OF SCIENTIFIC INFORMATION. STORAGE OF BIBLIOGRAPHIC RESOURCES
UNIT 15
COMMUNICATION OF THE INFORMATION, ORAL PRESENTATIONS, POSTERS, ARTICLES AND OTHER SCIENTIFIC PAPERS

4. PRACTICAL

PRACTICE 1 UV ENVIRONMENT AND RESOURCES
PRACTICE 2 ENVIRONMENT AND WEB RESOURCES
PRACTICE 3 SOCIAL NETWORKS
PRACTICE 4 OFFICE: POWERPOINT
PRACTICE 5 OFFICE: WORD
PRACTICE 6 OFFICE: EXCEL
PRACTICE 7 IMAGE AND VIDEO EDITING APPLIED TO PHYSIOTHERAPY
PRACTICE 8 HEALTH-RELATED APPLICATIONS
PRACTICE 9 NEW TECHNOLOGIES IN THE STAGES OF RESEARCH

WORKLOAD

ACTIVITY	Hours	% To be attended
Computer classroom practice	40,00	100
Theory classes	20,00	100
Development of group work	15,00	0
Development of individual work	15,00	0
Study and independent work	30,00	0
Preparation of evaluation activities	15,00	0
Preparing lectures	15,00	0
TOTAL	**150,00**	

TEACHING METHODOLOGY

The contents of the lectures will be worked through lectures, group activities and encouraging participatory cooperative learning. Also be used problem solving and be stepped on certain issues through seminars and workshops

The labs will be used primarily solving exercises and problems. Also will consider the case studies. Some of these activities are conducted in a group.

Students must perform work individually and in groups where a related project exposed the practical content. In addition, each must carry out a portfolio.

The teaching program may be modified during the development of the course if the teacher under teacher quality criteria and assimilation of knowledge by the student it deems appropriate.

EVALUATION

THEORETICAL PART: **30% FINAL GRADE**

Objective test: **30%**

In paper or digital format. 20 - 40 questions

4 options 1 correct

GRADE= [right guess- (errors*0,33)]*0,25

PRACTICAL PART: **70% FINAL GRADE**

Activities: **10%**

The evaluation criteria will be provided by the teacher at the time.

Elaboration of a project group and exposure: **60%**

The criteria for evaluation nd oral presentation will be provided by the teacher at the time.

The score of the subject will be the sum of the maximum score obtained in block theory and the maximum score obtained in the practice block. Each test set will be valued over 10, and then get the percentage of each one.

The final grade for the course will be averaged, provided the student has obtained at least 5 of 10 in each of the sections:

- Project group
- Objetive test

Take into account the following considerations:

- Plagiarism of any content will the suspense of the subject
- Penalize the incorrect spelling

REFERENCES

Basic

- Alonso, m. Y matilla, l. (1990). Imágenes en acción. Madrid. Akal.
- Aparici, r. (1993). La revolución de los medios audiovisuales. Madrid. De la torre.
- Aguareles, M.A.(1990). Escola i noves tecnologíes. Barcelona: CEAC; Ferrer, A. Y Alcantud, F (1995). La tecnología de la información y de la comunicación en el medio escolar. Valencia: Nau llibres.
- Casaban, enric. Introducció a la informàtica. Universitat de València, 1993.
- Ferres prats, j. Y marques graells, p.l (1996). Comunicación educativa y nuevas tecnologías. Barcelona. Praxis.
- Insa ghisaura, d. Y morata sebastián, r. (1998). Multimedia e internet. Las nuevas tecnologías aplicadas en la formación. Madrid. Paraninfo.
- Masterman, l. (1993). La enseñanza de los medios de comunicación. Madrid. De la torre.

Additional

- Ahumada, S. R. (1989). Proyecto COEEBA-SEP: Enseñanza de la Informática. Revista Tecnología y Comunicación Educativas, 15, 55-60.
- Bartolomé, A. R. (1999). Nuevas tecnologías en el aula. Guía de supervivencia. Barcelona, España: Graó.
- Bitter, G. G. & Pierson, M. E. (1999). Using technology in the classroom (4a. ed.). Needham Heights, MA, EE. UU.: Allyn & Bacon.

ADDENDUM COVID-19

This addendum will only be activated if the health situation requires so and with the prior agreement of the Governing Council

1. Contents

The contents initially included in the teaching guide are maintained.

2. Workload and temporary teaching planning

The proportion of the different activities that add up to the hours of dedication in ECTS credits marked in the original teaching guide has been maintained.

3. Teaching methodology

Depending on the needs, teaching will be adapted to the blended or non-classroom mode, through the implementation of the corresponding teaching strategies (i.e. hybrid teaching, videoconference sessions, voice-over presentations, videos or additional multimedia material).

The tutorials may be conducted virtually, following the guidelines of the Universitat de València, via e-mail or videoconference, through the Blackboard Collaborate or Teams platform.

4. Evaluation:

The final evaluation tests will be presential, and only in case of problems caused by the evolution of the pandemic, final evaluation tests will be done online through Aula Virtual of the Universitat de València.