

**COURSE DATA****Data Subject**

Code	33034
Name	First aid techniques for physiotherapists
Cycle	Grade
ECTS Credits	4.5
Academic year	2021 - 2022

Study (s)

Degree	Center	Acad. Period
1202 - Degree in Physiotherapy	Faculty of Physiotherapy	4 Second term

Subject-matter

Degree	Subject-matter	Character
1202 - Degree in Physiotherapy	21 - First aid techniques for physiotherapists	Optional

Coordination

Name	Department
LOPEZ BUENO, LAURA	191 - Physiotherapy
SANCHEZ FRUTOS, JOSE	191 - Physiotherapy

SUMMARY

This optative course of the Degree of Physiotherapy, aims to provide the students the basic knowledge and scientific basis, and the different protocols for action against the main situations and emergencies in the community setting.

PREVIOUS KNOWLEDGE**Relationship to other subjects of the same degree**

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



Other requirements

Not required

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.
- Recognise vital risk situations and be able to execute basic and advanced life support manoeuvres.
- Respect fundamental rights and equality between men and women.
- Recognise diversity, multiculturalism, 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.
- Know the general aspects of first aid. Know how to recognise an emergency situation and differentiate it from an urgency.
- Know the particulars of any situation requiring the application of first aid procedures.
- Know the development of the protocols and algorithms to be applied in situations of emergency and urgency outside the hospital.
- Know the action plan for great disasters.
- Know how to establish an action plan in first aid to reach the goals.



LEARNING OUTCOMES

Knowledge and scientific basis, and the various protocols for action against other major emergencies and emergencies in the community setting.

DESCRIPTION OF CONTENTS

1. Introduction to the first aids

1. Concept of the first aids. Analysis of the situation
2. First aid kit of the first aids

2. The First aids in basic situations

3. Wounds and hemorrhages
4. Burns
5. Foreign bodies
6. Bites and stings
7. Musculoskeletal injuries
8. Poisonings and poisonings
9. Urgencies genitourinarias
10. Disorders of the conscience. Convulsions
11. Injuries for cold and heat

3. Básic Vital Support(SVB)

12. SVB. Chain of survival. Use of the DESA
13. Managing of the airway. Clearing away of obstructions of the top airway

4. Transport and assistance to big catastrophes

14. Start-Triage
15. Transport and mobilization

5. PRACTICAL BLOCK

- I. Analysis of the situation. Lateral position of safety
- II. Treatment of wounds and hemorrhages
- III. Support Vital Básico
- IV. Managing of the airway. Clearing away of obstructions of the airway
- V. Start-Triage
- VI. Mobilization and transport

**WORKLOAD**

ACTIVITY	Hours	% To be attended
Classroom practices	30,00	100
Theory classes	15,00	100
Development of individual work	8,00	0
Study and independent work	15,00	0
Preparing lectures	25,00	0
Preparation of practical classes and problem	15,00	0
Resolution of case studies	4,50	0
TOTAL	112,50	

TEACHING METHODOLOGY

The teaching-learning of the subject, will be framed in the cognitive-constructivist theory of learning, which stresses the role of the student essentially active. This will be the star of their education and seek to develop meaningful learning based on prior knowledge. The teacher will act as mediator and facilitator of learning techniques using motivating, modeling, mayeutics, introspection and problem solving.

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, deems it appropriate.

EVALUATION

Theoretical examination: Examination of multiple response of 50 questions, with 4 articles and an alone real response, will apply to itself the formula: $\text{Score} = [\text{hits} - (\text{errors} / \text{number of choices} - 1)] * (\text{maximum score} / \text{number of questions})$. Practical examination: The students will enter in pairs and will realize a practical test in which they will have to develop any of the protocols of urgency corresponding to the different practices, there will be valued the skill, agility and time of response.

Personal work: Activity Start-Triage: The students will have to realize a supposition of catastrophe with multiple victims.

The final note will be obtained of the following way:

40 % theoretical Block (note of the theoretical examination)

60 % practical Block:

- 80 % Notices practical examination
- 20 % I Work personnel: Activity Start-Triage



REFERENCES

Basic

- Abrisqueta J, Juarez J, Pérez J, Martínez M.: Manejo, movilización y transporte de víctimas. Arán. 2001.
- Moratal R. Protocolos en emergencias extrahospitalarias. Arán. 2000.
- AHA Guidelines for CPR & ECC, published in the journal Circulation on October 18, 2010.

Additional

- 2010 American Heart Association and American Red Cross Guidelines for First Aid

ADDENDUM COVID-19

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

This addendum will only be activated if the health situation so requires and with the prior agreement of Consell de Govern

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.