[GBR104] AGEING AND THE ELDERLY

GENERAL INFORMATION

Studies	DEGREE IN BIOMEDICAL ENGINEERING			**Subject**	Humanities and Social Science Applied to Health
Semester	1	**Course**	4	**Mention / Field of specialisation**	???
Character	OPTIONAL				
Plan	2017	**Modality**	Adapted Face-to-face	**Language**	EUSKARA
Credits	3	**Hours/week**	2.5	**Total hours**	45 class hours + 30 non-class hours = **75 total hours**

PROFESSORS

GONZALEZ DE HEREDIA LOPEZ DE SABANDO, ARANTXA

REQUIRED PREVIOUS KNOWLEDGE

Subjects	Knowledge
(No specific previous subjects required)	*(No previous knowledge required)*

SKILLS

VERIFICA SKILLS

SPECIFIC

GBCE33 - The ability to consider, argue and describe matters of a social, scientific or ethical nature in the field of Biomedical Engineering.

GENERAL

GBCG7 - To be able to analyse and assess the social and environmental impact of technical solutions.

CROSS

GBCTR2 - To be able to do their job in cooperative, participatory environments, with awareness of social responsibility.

BASIC

G_CB4 - To be able to communicate information, ideas, problems and solutions to both expert and lay audiences

LEARNING RESULTS

RGB406 **[!]** ***Reflexiona sobre asuntos de índole social, científica o ética en el ámbito de la Ingeniería Biomédica***

LEARNING ACTIVITIES	CH	NCH	TH
Individual study and work, tests and evaluations and check points	5 h.	10 h.	15 h.
Presentation of the teacher in the classroom, in participatory classes, of concepts and procedures associated with the subjects	10 h.		10 h.

EVALUATION SYSTEM	W
Individual written and oral tests to assess technical skills of the subject	15%
Reports of solving exercises, case studies, computer practices, simulation practices and laboratory practices	85%

Comments: Four works will be evaluated: 1. Interviews with elderly people (individual) 25% 2. Empathy exercise (teams of two or three people) 25% 3. Technical aids (individual) 25% 4. Exam 25%

MAKE-UP MECHANISMS

(No mechanisms)

CH - Class hours: 15 h.
NCH - Non-class hours: 10 h.
TH - Total hours: 25 h.

RGB407 **[!]** ***Argumenta y describe asuntos de índole social, científica o ética en el ámbito de la Ingeniería Biomédica***

LEARNING ACTIVITIES	CH	NCH	TH
Individual study and work, tests and evaluations and check points	5 h.	20 h.	25 h.
Presentation of the teacher in the classroom, in participatory classes, of concepts and procedures associated with the subjects	25 h.		25 h.

EVALUATION SYSTEM	W

MAKE-UP MECHANISMS

Individual written and oral tests to assess technical skills of the subject	15%	*(No mechanisms)*
Reports of solving exercises, case studies, computer practices, simulation practices and laboratory practices	85%	

Comments: Four works will be evaluated: 1. Interviews with elderly people (individual) 25% 2. Empathy exercise (teams of two or three people) 25% 3. Technical aids (individual) 25% 4. Exam 25%

CH - Class hours: 30 h.
NCH - Non-class hours: 20 h.
TH - Total hours: 50 h.

CONTENTS

1. Life cycle and aging

2. Aging and health

3. Attention models

4. Support products

LEARNING RESOURCES AND BIBLIOGRAPHY

Learning resources	Bibliography
Slides of the subject	Helduaroaren eta zahartzaroaren garapena. Luixa Reizabal Arruabarrena, Izarne Lizaso Elgarresta
Technical articles	Living independently. Philips Design
Moodle Platform	Informe mundial sobre el envejecimiento y la salud. OMS 2015
Video projections	Dementia in Europe Yearbook. Alzheimer Europe 2015
	Pertsonarengan oinarritutako arreta-eredua. Kuaderno praktikoak. Matia
	Integrated care for older people. OMS 2017
	Pasos hacia una nueva vejez. Javier Yanguas