

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

<b>Code</b>	34506
<b>Name</b>	Health planning and clinical administration
<b>Cycle</b>	Grade
<b>ECTS Credits</b>	4.5
<b>Academic year</b>	2021 - 2022

**Study (s)**

<b>Degree</b>	<b>Center</b>	<b>Acad. year</b>	<b>Period</b>
1204 - Degree in Medicine	Faculty of Medicine and Odontology	4	First term

**Subject-matter**

<b>Degree</b>	<b>Subject-matter</b>	<b>Character</b>
1204 - Degree in Medicine	18 - Optional subjects	Optional

**Coordination**

<b>Name</b>	<b>Department</b>
ALFONSO SANCHEZ, JOSE LUIS	265 - Prev. Medicine, Public Health, Food Sc.,Toxic. and For. Med.

**SUMMARY**

In this subject, theoretical and practical lessons are combined, with a pragmatic approach towards the adaptation to health care systems and a preparation for a good 'clinical governance'. In theoretical classes, the professor will explain the content, methods and techniques, in order to contribute to the development of knowledge and expected skills for this subject.

In practical classes, both practise in small groups and problem-solving activities will be done, according to the objectives and specific content in each one of the sessions, as well as the presentation of results to an audience, i.e., in front of other students, supported by the use of audiovisual resources.

Among the training activities, exercises regarding the descriptors of this subject will be included, which are explained in the corresponding section.



Furthermore, the subject will include practise so that students can develop the capacity to work in teams, as well as communicative skills with new information technologies, bibliographic research and communication skills.

## **OTHER REQUIREMENTS**

It is recommended that students have passed the first 3 academic years.

## **PREVIOUS KNOWLEDGE**

### **Relationship to other subjects of the same degree**

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

### **Other requirements**

Se recomienda tener superados los tres primeros años.

## **OUTCOMES**

### **1204 - Degree in Medicine**

- 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.
- Recognise health determinants in population, such as genetic ones, dependent on sex, lifestyle, demographic, environmental, social, economic, psychological and cultural.
- Know how to use the sources of clinical and biomedical information available, and value them critically in order to obtain, organise, interpret and communicate scientific and sanitary information.
- Proper organisation and planning of the workload and timing in professional activities.
- Team-working skills and engaging with other people in the same line of work or different.
- Criticism and self-criticism skills.
- Capacity for communicating with professional circles from other domains.
- Acknowledge diversity and multiculturality.
- Consideration of ethics as a fundamental value in the professional practise.
- Working capacity to function in an international context.



## LEARNING OUTCOMES

By the end of this module, students will be able to:

- Understand their role in multiprofessional teams, assuming leadership when appropriate, both when providing health care services, and in the interventions for health promotion.
- Obtain and use epidemiological data, and evaluate tendencies and risks for decision-making with regard to health.
- Know of the national and international health care organisations, the environments and determinants of several health systems, and also manage basic knowledge regarding health legislation.
- Understand health care management and its economic and social determinants, showing capacity to analyse their implications in the medical practise.

## DESCRIPTION OF CONTENTS

### 1. THEORETICAL CLASSES

**In this subject, classes will be taught in English.**

1. What is managing? The administrative cycle or the classic elements of management: planning, organisation, direction and control. Strategic thinking.
2. Introduction to health care models and systems in the world.
3. The national health care system in Spain. Health Organisation in Spain. General Health Law, Cohesion and Quality.
4. Primary health care.
5. Hospital care. Hospital benchmarking.
6. Socio-health care.
7. Systems of health information. Useful indicators in health care planning. Indicators of the population-hospital relationship. Management of hospitalisation: the value of medium stay, hospital readmissions. The MBDS. Case mix: GRDs, PMCs, RUGs. Diagnosis-related groups (DRG).
8. Necessity, supply, demand and use of health services. Measurement and comparison of results found in health care practise.
9. Qualitative and consensus techniques in health care planning. IT. Delphi method. Nominal group techniques. Other techniques.



10. Prioritisation techniques in health care planning. The OPS method and others.
11. Management and good clinical governance. Medicine based on evidence. Variability in the clinical practise. Guides and clinical protocols.
12. Health economy. Microeconomics. Macroeconomics. Public sector. Supply-demand Law. Elasticity. Macroeconomic indicators.
13. Concepts regarding economic evaluation: effectiveness, efficiency and efficacy criteria. Economic information system in the Valencian Community. Techniques: cost-minimisation, cost-effectivity, cost-benefit, and cost-income.
14. Efficiency analysis. DEA and non-parametric techniques.
15. Evaluation of health technologies. Evaluating the appropriate use of resources.
16. Analysis of clinical decisions.
17. Health reforms and management of health systems. Introduction to the approach of health policies regarding the objective of a good clinical governance. Medicine based on values.

## **2. PRACTICAL CLASSES**

1. Project on the administrative cycle and discussion.
2. Discussion in groups with a chairperson about the advantages of different health care models in the world.
3. Guided seminary about the evolution of the national health care system in Spain and its social determinants.
4. Practical study of indicators related to the evolution of health in the Spanish population and its chronological-legislative relationship.
5. Structural dimensioning, of personnel, and of internal functioning of a health care centre.
6. Critics of the current hospital model.
7. Practise about Benchmarking between private and public hospitals, and of mixed formulae.
8. Assignment about the classification of dependences according to the current legislation.
9. Calculation of supply-demand indicators.
10. Practical application of planning through consensus methods.



11. Practise and presentation regarding prioritisation in health care planning.

12 .Use of health indicators in the planning. The Spanish example.

13 .Practise regarding the comparison between hospitals by using DRG.

### **3. PRACTICAL CLASSES II**

14. Learning about the design of clinical protocols.

15. Practical differences in the design of assessment techniques to evaluate health technologies.

16. Discussion of articles on supply-demand of health care professionals.

17. Practise based on the interpretation of health care expenditure in the Spanish autonomous communities.

18. Project about the quality-of-life indicator EQ5D.

19. Practise using articles about different techniques for economic evaluation.

20. Group revision of the information that the Economic Information System provides.

21. Revision of two published articles on DEA applied to Health Services.

22. Management through clinical processes.

23. Design of a health care quality plan in a Clinical Department.

24. Articulation of strategies for the safety of patients. Practical cases.

25. Evaluation of health technologies. Ethical, technical, organisational, social and economic dimensions.

26. Practise about health care policy and communication.



**WORKLOAD**

ACTIVITY	Hours	% To be attended
Seminars	26,00	100
Theory classes	19,00	100
<b>TOTAL</b>	<b>45,00</b>	

**TEACHING METHODOLOGY**

In **theoretical lessons**, professors will present the most important concepts and content through master classes in a structured way, in order to help students develop several skills and meet the objectives. Students' participation in the class should be encouraged and they will have access to the didactic material professors may have used through the electronic platform *Aula Virtual*, if they consider it to be appropriate.

Practise in the classroom: **seminaries**. In small groups, professors will present deeply specialised themes, case studies, management of bibliography, current issues... Team work is encouraged, as well as oral presentation skills, which could be interpreted as 'cooperative learning'.

**EVALUATION**

Theoretical assessment: 50% of the final mark. It will be done through a written or oral test which will be based on theoretical contents and will assess students' knowledge acquisition.

Practical assessment: 50% of the final mark. It will be done by evaluating students' participation in different activities and through a test which will show the acquisition of skills related to general and specific competencies.

In this subject students will not be allowed to write their test (or even take it before the agreed date) if they have not completed their training (internship).

In order to access to an advance on the call of this subject, it is a requirement that the student has coursed all his/her practices.

Attendance to practical sessions is mandatory. Unjustified non-attendance to more than 20% of the sessions will make it impossible to pass the course.



## REFERENCES

### Basic

1. Del Llano J, Ortún V, Martín-Moreno JM et al. Gestión sanitaria. Innovaciones y desafíos. Barcelona: Masson S.A., 1998.
3. Asenjo, M.A. y cols. Gestión diaria del hospital. Barcelona: Masson S.A., 2001.
4. Ribera J et al. Gestión en el Sector de la Salud. Gestión del Sistema y de sus Instituciones. Madrid: Pearson Educación S.A., 2005
- 4.-Cullis, John G. y West, Peter A. (1984): Introducción a la Economía de la Salud, ed. Desclée de Brouwer, Bilbao, pp. 43-52.
5. Wright J, Hill P. Gobierno Clínico. Madrid: Elsevier, 2006.
6. Ruiz-Iglesias L. Claves para la Gestión Clínica. Madrid: Cátedra Pfizer McGrawHill, 2004
7. Muñoz-Seca B, Riverola J. Del buen pensar y mejor hacer: mejora permanente y gestión del conocimiento. Madrid: McGraw Hill, 2003.

### Additional

1. Samuelson, Paul A. y Nordhaus, William D. (2002): Economía, ed. McGraw-Hill, 17ª edición, pp. 3-53.
- 2.-Amado J.; Alegre, E. y Bel, E. Gestión Empresarial Farmacéutica. Ciss, S.A., Valencia, 1998.
- 3.-Drummond, Michael F.; Stoddart, Greg L. y Torrance, George W. Métodos para la evaluación económica de los Programas de Atención de la Salud, ed. Madrid: Díaz de Santos, 1991.
4. Errasti, F. Principios de Gestión Sanitaria. Madrid: Díaz de Santos, 1996.
- 5.-López i Casanovas G, Ortún Vicente. Economía y Salud. Fundamentos y políticas. Madrid: ediciones Encuentro, 1998
- 6.-McGuire, Alistair; Henderson, John y Mooney, Gavin (1988): The Economics of Health Care, ed. Routledge (reimpresión de 1992).
- 8.-Ortún V. La Economía en Sanidad y Medicina: Instrumentos y Limitaciones. Barcelona: La Llar del Llibre, 1992.
9. Sacristán JA, Badía X, Rovira J. Farmacoeconomía: Evaluación Económica de medicamentos,. Madrid: Ed. Médicos, S.A., 1995.
- 10.-Cabiedes, Laura: Reformas sanitarias recientes, capítulo 9 del Informe Anual 2003 del Observatorio del Sistema Nacional de Salud, Ministerio de Sanidad y Consumo.
- 11.-Cabiedes, Laura (2003): Evaluación Económica de Tecnologías Sanitarias, Monográfico del III Curso de Actualización en Medicina de Familia y Atención Primaria, SEMERGEN-Asturias.
- 12.-Rodríguez, Marisol (1992): Corrientes económicas y criterios de equidad en Sanidad, Revista de Economía, nº 12, pp. 55-60.



## **ADDENDUM COVID-19**

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

Siguiendo las recomendaciones del Ministerio, la Consellería y el Rectorado de nuestra Universidad, para el período de la "nueva normalidad", la organización de la docencia para el primer cuatrimestre del curso 2021-22, seguirá un modelo híbrido, donde tanto la docencia teórica como práctica se ajustará a los horarios aprobados por la CAT pero siguiendo un modelo de Presencialidad / No presencialidad en la medida en que las circunstancias sanitarias y la normativa lo permitan y teniendo en cuenta el aforo de las aulas y laboratorios docentes. Se procurará la máxima presencialidad posible y la modalidad no presencial se podrá realizar mediante videoconferencia cuando el número de estudiantes supere el coeficiente de ocupación requerido por las medidas sanitarias. De manera rotatoria y equilibrada los estudiantes que no puedan entrar en las aulas por las limitaciones de aforo asistirán a las clases de manera no presencial mediante la transmisión de las mismas de manera síncrona/asíncrona via "on line".