

Preventive Medicine and Public Health

Code: 102948
ECTS Credits: 6

Degree	Type	Year	Semester
2502442 Medicine	OB	5	0

Contact

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Teaching groups languages

You can check it through this [link](#). To consult the language you will need to enter the CODE of the subject. Please note that this information is provisional until 30 November 2023.

Prerequisites

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Objectives and Contextualisation

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Competences

- Accept one's role in actions to prevent or protect against diseases, injuries or accidents and to maintain and promote health, on both personal and community-wide levels.
- Be able to work in an international context.
- Demonstrate basic knowledge of the Spanish health system, legislation on health and economic issues.

- Demonstrate knowledge of the national and international health organisations and the factors and circumstances affecting other healthcare systems.
- Demonstrate understanding of the factors that determine equality in access to health, their safety and quality.
- Formulate hypotheses and compile and critically assess information for problem-solving, using the scientific method.
- Obtain and use epidemiological data and assess trends and risks for decision-making on health.
- Recognize the determinants of population health, both genetic and dependent on gender, lifestyle, and demographic, environmental, social, economic, psychological and cultural factors.
- Use information and communication technologies in professional practice.

Learning Outcomes

1. Address health problems through collective interventions for the promotion, protection and prevention, and restoration of health and assess their impact.
2. Analyse the national and international systems of epidemiological surveillance.
3. Be able to work in an international context.
4. Critically interpret medical literature.
5. Differentiate between the factors associated with inequalities and, in particular, with gender issues in public health research and practice.
6. Evaluate the healthcare quality system and patient-safety strategies.
7. Formulate hypotheses and compile and critically assess information for problem-solving, using the scientific method.
8. Identify principles of environmental health, workplace health and food health.
9. Identify the international health organisations at Spanish, European and regional level.
10. Identify the main activities of health promotion and disease prevention.
11. Identify the principles of health demography.
12. Implement the procedures of clinical and epidemiological document search and management.
13. Interpret health indicators.
14. Interpret the processes of planning, scheduling and assessment in health programmes.
15. Manage the principles of medicine based on (the best) evidence.
16. Use information and communication technologies in professional practice.
17. Value the principles and apply the methods of preventive medicine and public health.

Content

1. Introduction to Preventive Medicine and Public Health.
2. Health protection: environmental health
3. Specific health problems and preventive actions in communicable diseases.
4. Specific health problems and preventive actions in chronic diseases.
5. Health promotion.
6. Health system. Health management and evaluation.
7. International health

Methodology

This Guide describes the contents, methodology and general rules of the subject, in accordance with the current curriculum. The final organization of the subject with respect to the number and size of groups, distribution in the calendar and dates of exams, specific criteria for evaluation and review of exams, will be specified in each of the Hospital Teaching Units (UDH), which will make it explicit through its web pages and the first day of class of each subject, through the professors responsible for the subject at the UDH.

For this course, the professors appointed by the Departments as responsible for the subject at the Faculty and the UDH level are:

Responsible department (s): Department of Pediatrics, Obstetrics and Gynecology and Preventive Medicine

Maria G Esteve Pardo

Responsible UDHSP Xavier Bonfill xbonfill@santpau.cat

Responsible UDHVH Magdalena Campins mcampins@vhebron.cat

Responsible UDGtIP Maria Esteve mariaesteve.germanstrias@gencat.cat

Responsible UDHPT Gemma Navarro gnavarro@cspt.es

In the current exceptional circumstances, at the discretion of the teachers and also depending on the resources available and the public health situation, some of the theoretical classes, practicals and seminars organized by the Teaching Units may be taught either in person or virtually.

Annotation: Within the schedule set by the centre or degree programme, 15 minutes of one class will be reserved for students to evaluate their lecturers and their courses or modules through questionnaires.

Activities

Title	Hours	ECTS	Learning Outcomes
Type: Directed			
ADVANCED CLINICAL SIMULATION PRACTICE (IN HUMANS (PSCA)	2	0.08	1, 2, 6, 5, 7, 9, 11, 8, 10, 4, 13, 14, 3, 15, 12, 16, 17
CLINICAL CASE SEMINARS (SCC)	28	1.12	5, 7, 3, 16
CLINICAL PRACTICES ASSISTANT (PCAh)	10	0.4	1, 2, 6, 5, 7, 9, 8, 10, 13, 14, 3, 16, 17
THEORY (TE)	27	1.08	1, 9, 8, 10, 13, 14, 16
Type: Autonomous			
THEORY LECTURE	75.5	3.02	1, 2, 6, 5, 7, 9, 8, 10, 13, 14, 3, 16, 17

Assessment

1. Objective written tests. There will be two partial exams that can release a part of the subject. The teaching team of each Teaching Unit will establish the questions and subjects included, the final grade and the percentage in the final grade (between 30-45% each test).
2. Final test of recovery: Students who have not passed the course through continuous assessment may be

submitted to a final test of recovery. The methodology of the examination may be different from that used in the previous evaluations. Students who have failed any of the objective written tests, those not submitted to the previous evaluations and those who wish to improve the grade may take this test; in the latter case the note of the recovery test will be the one that will prevail

3. Practical exercises, clinical practices, presentation of works. The realization of a work, the presentation and discussion of clinical cases and other activities carried out by the students, the percentage of the final grade, which will be established by the teaching team of each Teaching Unit (up to 30%)

Exam review system. The review of exams will be done individually with the student, upon request within the deadlines that are communicated.

Expression of the result of the evaluations: Numerical note with a decimal, from 0 to 10. Qualitative qualification: suspense, approved, remarkable, excellent, MH.

Students who do not show up for the evaluation tests and / or those who do not present the work are considered non-evaluable.

At the discretion of each UD, attendance and participation in classes and seminars may be evaluated with a maximum score of 10% of the grade.

This subject does not provide the single assessment system.

Assessment Activities

Title	Weighting	Hours	ECTS	Learning Outcomes
Attendance and participation in class and seminars / Defense oral works	30%	3.5	0.14	7, 11, 4, 3, 15, 12, 16, 17
Objective test of multiple choice	60-95%	4	0.16	1, 2, 6, 5, 9, 8, 10, 4, 13, 14, 15, 12

Bibliography

Bibliografía

Bibliografía específica

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- Piédrola Gil G. Medicina preventiva y salud pública. Fernández-Crehuet J, Gestal JJ, Delgado M, Bolúmar F, Herruzo R, Serra L, Rodríguez F. (edit), 12ª ed. Barcelona: Elsevier España, 2015
- Sierra A, Sáenz MC, Fernández-Crehuet J, et al., eds. Medicina Preventiva y Salud Pública. 12ª edición Barcelona: Elsevier Masson, 2015

Bibliografía de consulta

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- Gray M. Evidence-Based Health Care and Public Health: How to Make Decisions About Health Services and Public Health. 3rd. ed. Toronto: Elsevier Limited, 2009.

- Novick LF, Morrow CB, Mays GP. Public Health Administration: Principles for Population-based Management (2nd ed). Jones and Bartlett Publishers Inc, 2007.
- Pencheon D, Guest C, Melzer D, Muir Gray JA, eds. 3ª ed. Oxford Handbook of Public Health Practice. Oxford: Oxford University Press, 2013.
- Porta M, Last JM (eds.). A Dictionary of Public Health. Second Edition. New York: Oxford University Press, 2018.
- Wallace RB, eds. Maxcy Rosenau-Last Public Health and Preventive Medicine. 15ª ed. New York: McGraw-Hill, 2008

Recursos d'Internet

- Manual de vacunacions. Agència de Salut Pública de Catalunya. http://salutpublica.gencat.cat/ca/ambits/promocio_salut/vacunacions/Manual-de-vacunacions/
- Vacunación en grupos de riesgo de todas las edades y en determinadas situaciones. Ministerio de Sanidad Consumo y Bienestar Social. <https://www.mscbs.gob.es/profesionales/saludPublica/prevPromocion/vacunaciones/VacGruposRiesgo/V/>
- Departament de Salut, Generalitat de Catalunya: <http://www.gencat.cat/salut/>
- Ministerio de Sanidad y Política Social: <http://www.msc.es/>
- Centers for Disease Control and Prevention, CDC: <http://www.cdc.gov/>
- Travelers' Health, CDC: <https://wwwnc.cdc.gov/travel>
- Morbidity and Mortality Weekly Report, MMWR: <http://www.cdc.gov/mmwr/>
- Emerging Infectious Diseases, EID: <http://www.cdc.gov/ncidod/eid/>
- Organització Mundial de la Salut, OMS: <http://www.who.int/>

Software

Is not necessary