

68703 - Methodology in Public Health II

Información del Plan Docente

Academic Year	2016/17
Academic center	104 - Facultad de Medicina
Degree	459 - Master's in Public Health
ECTS	6.0
Course	1
Period	Annual
Subject Type	Compulsory
Module	---

1. Basic info

1.1. Recommendations to take this course

1.2. Activities and key dates for the course

2. Initiation

2.1. Learning outcomes that define the subject

2.2. Introduction

3. Context and competences

3.1. Goals

3.2. Context and meaning of the subject in the degree

3.3. Competences

3.4. Importance of learning outcomes

4. Evaluation

5. Activities and resources

5.1. General methodological presentation

This subject learning process is based on the methodological research tools that have been acquired in the compulsory subject Methodology I. From that point on, learning and achievement of results are consequence of both attendance and participation in face-to-face classes and the resolution of individual work.

5.2. Learning activities

Programmed activities are:

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- Face-to-face classes.
- Study and problems resolution.
- Individual work.

Program:

In face-to-face classes of theoretical and practical contents, the following programme will be developed:

1. Epidemiological and statistical analysis with SPSS.
2. Research in our environment.
3. Research experiences.
4. Evidence-based practice in health sciences.
5. Information sources in Public Health.
6. Communication in healthcare
7. Master's thesis.

1. Epidemiological and statistical analysis with SPSS.

Day 1

- Approach to a Public Health problema.
- Databases management.
- Databases cleaning.
- Preparing database for analysis.
- Descriptive analysis.
- Bivariant analysis

Day 2

- Regression models.
- Simple linear regression.

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Day 3

- Multiple linear regression.
- Logistic regression.

Day 4

- Logistic regression.

2. Research in our environment.

Day 1

- Health research nowadays.
- Research projects evaluation.

3. Research experiences.

Day 1

- Research experiences in Public Health and Clinical Epidemiology.

4. Evidence-based practice in health sciences.

Day 1

- Concepts and antecedents.
- Process: formulation of questions, critical Reading, application of available evidence.
- Products based on evidence-based practice.

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5. Information sources in Public Health.

Day 1

- Bibliographical search.
- Medline/PubMed.
- Spanish databases.
- Health websites and search engines in Public Health.
- Citation managers.

Day 2

- Practical work.

6. Communication in healthcare.

Day 1

- Communication in research.
- The scientific style.
- Types of publications.
- The original paper.
- How to public a scientific paper.

7. Master's Thesis.

Day 1

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- General aspects of the Project.
- Development.
- Research Project with data management.
- Bibliographical review.
- Work presentation.

5.3.Program

5.4.Planning and scheduling

Dates, timetable and place of the activities can be checked in the general Master calendar.

5.5.Bibliography and recommended resources

Bibliography and websites:

Books:

- Pardo Merino A, Ruiz Díaz MA. Análisis de datos con SPSS 13 base. McGraw-Hill Interamericana de España S.A.
- Rebagliato M. Metodología de la Investigación epidemiológica.
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- Chang AA, Heskett K M, Davidson Terence M. Searching the Literature using Medical Subject Headings versus Text Word with PubMed. The Laryngoscope. 2006.; 116:336-340.
- Day AD. Cómo escribir y publicar trabajos científicos. Washington: Organización Panamericana de la Salud; 1996.
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- Jiménez Villa J, Argimon Pallàs JM, Martín Zurro A, Vilardell Tarrés M, editores. Publicación científica biomédica: Cómo escribir y publicar un artículo de investigación. Barcelona: Elsevier España; 2010.
- Mabrouki K, Bosch F, coords. Redacción científica en biomedicina: Lo que hay que saber. Barcelona: Fundación Dr. Antonio Esteve; 2007. Disponible gratuitamente en: www.esteve.org

Websites:

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- Bravo Toledo, R. Todo lo que usted quería saber sobre MEDLINE y nunca se atrevió a preguntar. [Consultado el 16 de mayo de 2008]. Disponible en: <http://www.infodoctor.org/rafabravo/medline.htm>
- Requisitos de uniformidad para los manuscritos enviados a revistas biomédicas y de ciencias de la salud:
http://www.doyma.es/requisitosuniformes2003/Req_de_Uniformidad_2003_DOYMA.pdf
- Uniform requirements for manuscripts submitted to biomedical journals: writing and editing for biomedical publication:
<http://www.icmje.org>
- Instrucciones para autores en revistas biomédicas:
<http://www.mco.edu/lib/instr/libinsta.html>
- MeSH. Medical Subject Headings:
<http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=mesh>
- DeCS. Descriptores en ciencias de la salud. Traducción del vocabulario MeSH al castellano y portugués:
<http://decs.bvs.br/E/homepagee.htm>
- EQUATOR. Enhancing the QUALity and Transparency Of health Research
<http://www.equator-network.org>

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Papers:

- Albert T. Cómo escribir artículos científicos fácilmente. Gac Sanit 2002;16:354-7.
- García AM. Autores, revisores, editores: las reglas del juego. Gac Sanit 2001; 15:294-5.
- Home PD. Técnicas para asegurarse de que su próximo trabajo nunca se llegue a publicar. Bol of Sanit Panam 1992;113:150-5.
- Pérez-Hoyos S, Plasència A. Aspectos éticos en la publicación de manuscritos en revistas de salud pública. Gac Sanit 2003;17: 266-7.
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