

68703 - Methodology in Public Health II

Información del Plan Docente

Academic Year	2017/18
Faculty / School	104 - Facultad de Medicina
Degree	459 - Master's in Public Health
ECTS	6.0
Year	1
Semester	Annual
Subject Type	Compulsory
Module	---

1.General information

1.1.Introduction

1.2.Recommendations to take this course

1.3.Context and importance of this course in the degree

1.4.Activities and key dates

2.Learning goals

2.1.Learning goals

2.2.Importance of learning goals

3.Aims of the course and competences

3.1.Aims of the course

3.2.Competences

4.Assessment (1st and 2nd call)

4.1.Assessment tasks (description of tasks, marking system and assessment criteria)

5.Methodology, learning tasks, syllabus and resources

5.1.Methodological overview

The methodology followed in this course is oriented towards achievement of the learning objectives. It is based on the methodological research tools that have been acquired in the compulsory course Methodology I. From that point on, the learning and achievement of learning goals are a consequence of both attendance and participation in face-to-face session and the preparation of individual assignments.

5.2.Learning tasks

The course includes the following learning tasks:

- Lectures
- Study and problem-solving
- Individual assignment

5.3.Syllabus

The course will address the following topics:

Section 1. Epidemiological and statistical analysis with SPSS.

Session 1.

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

Session 2.

- Regression models.
- Simple linear regression.

Session 3.

- Multiple linear regression.
- Logistic regression.

Session 4. Logistic regression.

Section 2. Research in our environment.

Session 1.

- Health research nowadays.
- Research projects evaluation.

Section 3. Research experiences.

Session 1. Research experiences in Public Health and Clinical Epidemiology.

Section 4. Evidence-based practice in health sciences.

68703 - Methodology in Public Health II

Session 1.

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

Section 5. Information sources in Public Health.

Session 1.

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

Session 2. Practical work.

Section 6. Communication in healthcare.

Session 1.

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

Section 7. Master's Dissertation.

Session 1.

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

5.4.Course planning and calendar

Further information concerning the timetable, classroom, assessment dates and other details regarding this course, will be provided on the first day of class or please refer to the Master's website.

5.5.Bibliography and recommended resources

Books:

68703 - Methodology in Public Health II

- 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.
- Martín Andrés A., Luna del Castillo J. Bioestadística para las Ciencias de la Salud. Ed. Norma. Madrid. 1989.
- Kleinbaum D., Kupper L., Muller K. Applied Regression Analysis and Other Multivariate Methods. PWS-KENT Publishing Company. Boston USA 1988
- Hosmer D., Lemeshow S. Applied logistic regression. John Wiley & Sons. USA. 1989.
- 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.
- Godle F, Jefferson T. Peer review in health sciences. London: BMJ Books; 1999.
- Huth EJ. Cómo escribir y publicar trabajos en ciencias de la salud. Barcelona: Ediciones Científicas y Técnicas; 1992.
- 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:

- González Guitián C, Sobrido Prieto, M. Buscar en Medline con Pubmed: Guía breve de uso. [Consultado el 2 de marzo de 2008]. Disponible en: http://www.fisterra.com/recursos_web/no_explor/pubmed/060828_pubmed.pdf
- 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>

68703 - Methodology in Public Health II

- 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>

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.

- Plasencia A, García AM, Fernández E. La revisión por pares: ¿buena, mala o todo lo contrario? Gac Sanit 2001;15:378-9.

- Porta M. The bibliographic "impact factor" of the Institute for Scientific Information: how relevant is it for public health journals? J Epidemiol Community Health 1996;50:606-10.