

SYLLABUS

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| Program | Medicine |
| TRACK | Family and Community Medicine |
| COURSE | Epidemiology |
| CODE AND CREDITS | 33732-02 |
| HOURS | 30 |
| TERM: | Starting in 2016/1 |

OBJECTIVES: At the end of the course, students will:

1. Develop a critical assessment and application of available scientific information as they will be taught the theoretical foundations, methods and techniques of epidemiology;
2. Apply evidence-based medicine elements in clinical practice.

COURSE DESCRIPTION:

This course will address the following topics: Development of scholarship and epidemiological reasoning, in an effort to highlight the importance of this area in Medicine; Overview of the epidemiology and fundamentals of biostatistics, and their importance for the development of a critical evaluation of the information doctors receive and its practical application; Elements of evidence-based medicine.

METHODOLOGY:

The course will blend theory and guided studies (GS).

Theory classes aim to present the main epidemiological concepts in a uniform way.

The bibliography for each class is presented herein and should be checked before each class. Guided studies are activities supervised by faculty, in which the student will do a number of exercises and engage in discussions.

The goal is to provide deeper insights into the concepts and techniques presented in class, and read scientific articles on health.

THEORY ACTIVITIES:

- Introduction;
- Design;
- Association and Impact Measures;
- Perspectives;
- Causality;
- Statistical analysis I;
- Statistical analysis II;
- Revision;
- Health Indicators;
- Health Inequities;
- Diagnostic Tests I;

Department's Stamp and Signature:

Av. Ipiranga, 6690 – Building 60 – Office 302
Zip Code: 90619-610 – Porto Alegre – RS
Phone: 51 3320.3015
Email address: medicina@pucrs.br
www.pucrs.br/medicina

- Diagnostic Tests II;
- Critical Reading of Scientific Articles;

BIBLIOGRAPHY:

BASIC:

- Fletcher, R. H.; Fletcher, S. W; Fletcher, G.S. epidemiologia clínica: elementos essenciais. 5. Ed. Porto Alegre: Artmed, 2014.
- Hulley, S.B. et al. Delineando a Pesquisa Clínica. 4. ed. Porto Alegre: Artmed, 2015.
- Medronho, R. A. et al. Epidemiologia. São Paulo: Atheneu, 2003.

COMPLEMENTARY:

- GUYATT, G.; RENNIE, D. et al. Diretrizes para Utilização de Literatura Médica: Fundamentos para Prática da Medicina Baseada em Evidências. 2. ed. Porto Alegre: ARTMED, 2011.
- HAYNES, R. B.; SACKETT, D. L.; GUYATT, G. H.; TUGWELL, P. Epidemiologia Clínica: Como fazer pesquisa clínica na prática. 3. Ed. Porto Alegre: ARTMED, 2008.
- CALLEGARI-JACQUES, S. M. Bioestatística: princípios e aplicações. Porto Alegre: Artes Médicas, 2003.
- GREENHALGH T. Como Ler Artigos Científicos: fundamentos da medicina baseada em evidências. 2. ed. Porto Alegre: ARTMED, 2005.
- LUNA-FILHO, B. A Ciência e a Arte de Ler Artigos Médicos. São Paulo: Atheneu, 2010.

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