

## Las Enfermedades tropicales desatendidas - Enfoque de salud pública (3109G01062 / 2016)

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### Datos generales

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**Curso académico:** 2016

**Descripción:** La mayoría de las enfermedades tropicales desatendidas son endémicas en las zonas rurales de África al sur del Sahara y en las zonas urbanas pobres de los países de bajos ingresos de Asia y América Latina. Conducen a la discapacidad a largo plazo, la desfiguración, el crecimiento infantil deficiente, los resultados adversos en el embarazo y la productividad económica reducida. Su impacto en la productividad de los trabajadores es de miles de millones de dólares perdidos cada año y mantienen países de bajos ingresos en la pobreza.

Abordar las enfermedades tropicales desatendidas desde una perspectiva de salud pública a menudo implica negociaciones no sólo por nuestros intereses, sino también por las creencias fundamentales sobre las necesidades y prioridades de salud pública,

**Créditos ECTS:** 5

### Grupos

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#### Grupo A

Duración: Semestral, 1º semestre

Profesorado: **MARIA DOLORES CAPELLA HEREU** , **MARIA CARMEN CARRION RIBAS** , **XAVIER CASTELLS CERVELLO**

Lengua de las clases: Inglés (100%)

Horarios:

Actividad	Horario	Grupo de clase	Aula
Teoría		1	
Aprendizaje basado en problemas		1	
Aprendizaje basado en problemas		2	
Aprendizaje basado en problemas		3	

### Competencias

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- Reconocer los elementos esenciales de la profesión médica, que incluyan los principios éticos, las responsabilidades legales y el ejercicio profesional centrado en el paciente.
- Desarrollar la práctica profesional con respeto por los otros profesionales de la salud, adquiriendo habilidades de trabajo en equipo.
- Comunicarse de modo efectivo y claro, tanto oralmente como por escrito, con los pacientes, los familiares, los medios de comunicación y otros profesionales.

- Conocer, valorar críticamente y saber utilizar las fuentes de información clínica y biomédica para obtener, organizar, interpretar y comunicar la información científica y sanitaria.
- Saber utilizar las tecnologías de la información y la comunicación en las actividades clínicas, terapéuticas, preventivas y de investigación.
- Tener, en la actividad profesional, un punto de vista crítico, creativo, con escepticismo constructivo y orientado a la investigación.
- Garantizar el conocimiento adecuado de la lengua inglesa, tanto oral como escrita, teniendo en cuenta las especificidades del registro médico para poder comunicarse eficazmente a la comunidad internacional científica y profesional.

### Contenidos

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1. Define what “neglected tropical diseases” are and their types, epidemiological situation and transmission
2. Understand differences between control, elimination, eradication of a disease and related with neglected tropical diseases
3. Describe the difference between “mass drug administration” and “case-based” approaches
4. Describe epidemiological indicators needed to monitor and evaluate interventions to control neglected tropical diseases
5. Describe main global challenges for neglected tropical diseases control in different areas (prevention, diagnostics, treatments, implementation and research)















### Actividades

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Tipo de actividad	Horas con profesor	Horas sin profesor	Total
Otros	1	0	1
Análisis / estudio de casos	2	0	2
Aprendizaje basado en problemas (PBL)	20	91	111
Clases expositivas	2	0	2
Clases participativas	2	0	2
Seminarios	2	0	2
Trabajo en equipo	0	5	5
<b>Total</b>	<b>29</b>	<b>96</b>	<b>125</b>

## Bibliografia

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- Sustaining the drive to overcome the global impact of neglected tropical disease. Recuperado , a [http://www.who.int/topics/tropical\\_diseases/en](http://www.who.int/topics/tropical_diseases/en) Catálogo 
- Accelerating work to overcome the global impact of neglected tropical diseases. Recuperado , a [http://whqlibdoc.who.int/hq/2012/WHO\\_HTM\\_NTD\\_2012.1\\_eng.pdf](http://whqlibdoc.who.int/hq/2012/WHO_HTM_NTD_2012.1_eng.pdf) Catálogo 
- PLOS Neglected Tropical Diseases: first open-access journal devoted to the world. Recuperado , a <http://www.plosntds.org> Catálogo 
- J. Adams. K. Gurney, D. Pendlebury (2012). Thomson Reuters Global Research report neglected tropical diseases.. Dins (Ed.), WHO's Publication. . Recuperado , a <http://www.who.int/leishmaniasis/resources/documents/en/PepitoBDFull.pdf>
- Hotez PJ, Savioli L, Fenwick A (2012). Neglected Tropical Diseases of the Middle East and North Africa: Review of Their. PLoS Negl Trop Dis, 6(2), 1475. Recuperado , a <http://www.plosntds.org/article/fetchObject.action?uri=info%3Adoi%2F10.1371%2Fjoc> Catálogo 
- Global Strategy for dengue prevention and control, 2012–2020 (2012). Dins (Ed.), WHO's Publication (, p. 1). WHO.
- Cameron P. S. et al. (2012). Dengue. Current concepts. Review article. N Engl J Med , 366(), 1423-32 Catálogo 
- Lang, Jean. (2012). Development of Sanofi Pasteur tetravalent dengue vaccine. Rev. Inst. Med. Trop. Sao Paulo, 54(18), 15-17 Catálogo 
- Handbook for clinical management of dengue” WHO and Special Programme for Resear. Recuperado , a <http://www.who.int/denguecontrol/9789241504713/en/index.html>
- Simarro PP, Diarra A, Ruiz Postigo JA, Franco JR, Jannin JG (2011). The Human African Trypanosomiasis Control and Surveillance Programme of the Worl. PLoS Negl Trop Dis , Catálogo 
- Ruiz-Postigo JA, Franco JR, Lado M, Simarro PP (2012). Human African Trypanosomiasis in South Sudan: How Can We Prevent a New Epidemic?. PLoS Negl Trop Dis , Catálogo 
- WHO meeting on elimination of human African trypanosomiasis (Trypanosoma brucei ). Recuperado , a [http://apps.who.int/iris/bitstream/10665/79689/1/WHO\\_HTM\\_NTD\\_IDM\\_2013.4\\_eng.pdf](http://apps.who.int/iris/bitstream/10665/79689/1/WHO_HTM_NTD_IDM_2013.4_eng.pdf)
- Simarro PP, Franco J, Diarra A, Postigo JA, Jannin J (2012). Update on field use of the available drugs for the chemotherapy of human African. Parasitology, 139(7), 842 Catálogo 
- Mitashi P, Hasker E, Lejon V, Kande V, Muyembe JJ, Lutumba P, Boelaert M (2012). Human african trypanosomiasis diagnosis in first-line health services of endemic. PLoS Negl Trop Dis , 6(11), Catálogo 
- WHO Technical Report Series on the control of the leishmaniasis - TRS N°949. Recuperado , a [http://apps.who.int/iris/bitstream/10665/44412/1/WHO\\_TRS\\_949\\_eng.pdf](http://apps.who.int/iris/bitstream/10665/44412/1/WHO_TRS_949_eng.pdf) Catálogo 
- Alvar J, Vélez ID, Bern C, Herrero M, Desjeux P, et al. (2012). Leishmaniasis Worldwide and Global Estimates of Its Incidence. . PloS One, 7(5), 35671 Catálogo 
- (2007). Visceral leishmaniasis: what are the needs for diagnosis, treatment and control? Nature reviews & Microbiology , 5(873), Catálogo 
- Report of the Fifth Consultative Meeting on Leishmania/HIV Coinfection. Addis Ab. Recuperado , a [http://www.who.int/leishmaniasis/resources/Leishmaniasis\\_hiv\\_coinfection5.pdf](http://www.who.int/leishmaniasis/resources/Leishmaniasis_hiv_coinfection5.pdf)
- Bern C, Courtenay O, Alvar J (2010). Of Cattle, Sand Flies and Men: A Systematic Review of Risk Factor Analyses for S. PLoS Negl Trop Dis , 4(2), 599 Catálogo 
- Stauch A, Sarkar RR, Picado A, Ostyn B, Sundar S, Rijal S, Boelaert M, Dujardin (2011). Visceral leishmaniasis in the Indian subcontinent: modelling epidemiology and co. PLoS Negl Trop Dis , 5(11),

- *Pepito y la leishmaniasis. (1999). Recuperado , a <http://www.who.int/leishmaniasis/resources/documents/en/PepitoBDFull.pdf>*
- *WHO (2015). INVESTING TO OVERCOME THE GLOBAL IMPACT OF NEGLECTED TROPICAL DISEASES (3rd). WHO.*
- *INVESTING TO OVERCOME THE GLOBAL IMPACT OF NTD. 3rd NTD repost (2015). Recuperado , a [http://apps.who.int/iris/bitstream/10665/152781/1/9789241564861\\_eng.pdf?ua=1](http://apps.who.int/iris/bitstream/10665/152781/1/9789241564861_eng.pdf?ua=1)*
- *(2014). Local transmission of Schistosoma haematobium in Corsica, France. ECDC, Recuperado , a <http://ecdc.europa.eu/en/publications/Publications/schistosoma-haematobium-risk->*

## **Evaluación y Calificación**

### **Actividades de Evaluación**

<b>Descripción de la actividad</b>	<b>Evaluación de la actividad</b>	<b>%</b>
PBL sessions (3 case scenarios)	Learning Abilities (25%) Communication (25%) Responsibility (25%) Interpersonal Relationships (25%)	50
Group activity	Accreditation of knowledge acquired by means of a written report focused on one of the objectives or one of the NTD. Groups must be formed by 2 or 3 people. Written report must be of maximum 2000 words. The written report will be 50% of the final qualification. The oral presentation will also be 50% of the final qualification.	50

### **Calificación**

Evaluation has 3 parts (PBL sessions, PBL exam and group activity) and both of them must be passed independently. In case PBL exam or group activity are failed, there will be a second opportunity to do them, but with a maximum score of 5 points.

- PBL sessions evaluation will account for 50% of the module evaluation.

Criteria (Grade proportion)

Responsibility (25%)

Learning abilities (25%)

Communication (25%)

Interpersonal relationships (25%)

- The group activity with oral and written presentation will account for 50%.

- The Exam is compulsory but is only going to account for upgrading the final qualification.

**Criterios específicos de la nota «No Presentado»:**

Not attending PBL sessions  
Not attending workshops because of a non-justified reason.

**Observaciones**

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More than 1 billion people – a sixth of the world’s population – suffer from one or more neglected tropical diseases. These diseases represent about 17% of the global burden of parasitic and infectious diseases.

Most neglected tropical diseases are endemic in rural areas of sub-Saharan Africa and in poor urban settings of low-income countries in Asia and Latin America. They lead to long-term disability, disfigurement, impaired childhood growth, adverse pregnancy outcomes and reduced economic productivity.

Neglected tropical diseases kill an estimated 534.000 people worldwide every year. Their impact on worker productivity adds up to billions of dollars lost annually and maintains low-income countries in poverty.

Addressing neglected tropical diseases from a public health perspective often involve negotiations not only on what we want (our interests), but also on core beliefs about public health needs and priorities, and the way government and society should be working to respond to those needs and priorities (our values). Negotiations involving value conflicts are often more challenging to resolve than negotiations based primarily on interests, because negotiators may be reluctant to trade off their principles for the sake of their interests.

This elective provides the opportunity to learn the current global situation of neglected tropical diseases, how large-scale interventions for control are organized and main challenges for implementation and sustainability of control.