



UQUMED

Special Topics-I Module

Tropical Medicine

2017 / 2018

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Important contact

| No. | Important Contacts | Names | Emails |
|-----|-----------------------------------|--|--|
| 1. | Year 3 Lead | Dr. Abeer Barhameen | barhameen@yahoo.com |
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| 3. | Special Topics Module Lead | Dr. Saeed Al-Harathi Dr. Heba Adly | sasharhi@uqu.edu.sa hebamadly@hotmail.com |
| 4. | Course authors | Dr. Saeed Al-Harathi Dr. Mohamed EL-Malky | sasharhi@uqu.edu.sa mmelmalky@uqu.edu.sa |

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|---------------|-----------------|------------------|---------|
| \Module name | Special Topic I | Credit Units | 2CU |
| Course Number | 10002909-2 | Week length: | 2 weeks |
| Module Code | 3S1 | Year of Program: | Year 3 |

General information

| | |
|-----------------------------------|---|
| Course Title | Tropical Medicine |
| Course author | <ul style="list-style-type: none"> • Dr. Saeed Al-Harathi • Dr. Mohamed EL-Malky |
| Academic Department | Medical Parasitology |
| Contact information | |
| E. mail | sasharhi@uqu.edu.sa mmelmalky@uqu.edu.sa |
| Mobile | 0537121416 |
| Maximum number of students | 10 male / 10 female |
| Participating instructors: | <ul style="list-style-type: none"> • Dr. Saeed Al-Harathi • Dr. Mohamed EL-Malky • Dr. Nawras Mowafy • Dr. Anhar EL-Sayed |
| Faculty | Medicine |
| Location | Medical Parasitology Department |

Description and Aims of the course

This course is designed to provide information about tropical medicine, global public health issues, neglected tropical disease and travel medicine through a multidisciplinary approach to disease. It emphasizes the clinically-oriented information.

This course reflects the most important topics in parasitic infections that may be encountered in the tropics. However, the world is not so simple: ‘tropical’ infections are exported, and infectious diseases that are endemic in resource-poor settings are relevant concerns for all of us. The course will be beneficial for a wide range of students whatever their prospective specialty, as infection is relevant whatever they will practice.

Since vectors play an important role in transmission of many tropical diseases, the enrolled student will get the opportunity to have one day field visit to the vector control unit at Makah. The duration of the course is two weeks.

Schedule of required student activities

The course will be delivered in the Medical Parasitology Department, College of Medicine, Umm Al Qura University. The course consists of lectures, TBL and small group discussion.

Course materials/ resources

A- Text book

Atlas of Tropical Medicine and Parasitology, 6th Edition

B- Online sources

- 1- http://www.who.int/neglected_diseases/diseases/en/
- 2- <https://www.cdc.gov/globalhealth/ntd/index.html>
- 3- <https://wwwnc.cdc.gov/travel/>
- 4- <https://www.cdc.gov/healthywater/global/index.html>
- 5- <https://www.dropbox.com/s/gpkxdsem5p73px1/Atlas%20of%20infectious%20diseases.pdf?dl=0>

Course learning objectives

- Identify major global issues in tropical public health.
- Discuss tropical diseases frequently encountered.
- Recognize travel related illnesses
- Analyze, reorganize, reasoning and interpreting tasks provided to them.
- Implement field-based preventive and control measures for major communicable/infectious diseases.
- Illustrate the spirit to work harmoniously in a group with minimal or non-supervision during preparation of seminars. with the ability to analyze results with others

Grading/Assessment and evaluation of student performance

- Continuous assessment: 40 %
4 quizzes 10 mark each, (one quiz a day) = 40%.
- Satisfactory performance/demonstration of a provided task = 20%.
The entire group will be subdivided into 2 groups; each will be assigned to;
 - Present a PPT presentation of a related topic given to them = 10%
 - Writing mini report addressing their experience in the field study = 10%.
- Interaction and participation in group discussion: 20 %
- Attendance: 20 %

Specific Learning Outcome of the course

| Week | Topics | Teaching Staff (M&F) | Teaching Methods | Learning Objectives (LOCs) By the end of this session, the students should be able to: |
|------|---|---|---|--|
| W1 | Tropical Medicine Geographical distribution El-Malky (W1 D1) | Dr. S. Al-Harathi Dr. M. ELMalky Dr. N. Mowafy Dr. A. EL-Sayed | ➤ Lecture ➤ General Discussion. | <ul style="list-style-type: none"> ▪ Understand the concept of Tropical Medicine. ▪ Identify the geography and characters of tropical climate. |
| | Tropical diseases in developing countries Prevalence Epidemiology Dr Anhar (W1 D2) | Dr. S. Al-Harathi Dr. M. ELMalky Dr. N. Mowafy Dr. A. EL-Sayed | ➤ Interactive lecture ➤ TBL (Leishmania) | <ul style="list-style-type: none"> ▪ List of common tropical diseases. ▪ Recognize the factors & causes of its presence & persistence. |
| | Emerging and Re-emerging infectious diseases Dr Nawras (W1 D3) | Dr. S. Al-Harathi Dr. M. ELMalky Dr. N. Mowafy Dr. A. EL-Sayed | ➤ Interactive lecture ➤ TBL(Toxoplasmosis) | <ul style="list-style-type: none"> ▪ Distinguish the meaning of emerging & non emerging diseases. ▪ Postulate the factors contributing to emergence. And how to deal with. |
| | Global diseases eradication and Vector control DR Nawras (W1 D4) | Dr. S. Al-Harathi Dr. M. ELMalky Dr. N. Mowafy Dr. A. EL-Sayed | ➤ Interactive lecture ➤ TBL (Dengue) | <ul style="list-style-type: none"> ▪ Recognize how some of these diseases which were completely eradicated. ▪ Hypothesize plans for control & eradication. |
| | A visit to vector Control Unit in Makkah. (W1 D5) | Dr. S. Al-Harathi Dr. M. ELMalky Dr. N. Mowafy Dr. A. EL-Sayed | ➤ Field Study | <ul style="list-style-type: none"> ▪ Identify the records about geographical distribution of different vectors in Makah ▪ Know the different tools applied for control. |

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| W2 | Neglected Tropical Parasitic Diseases (NTDs) 1 Malky (W2 D1) | Dr. S. Al-Harathi Dr. M. ELMalky Dr. N. Mowafy Dr. A. EL-Sayed | ➤ Interactive lecture ➤ TBL Schistosomiasis | <ul style="list-style-type: none"> List these diseases Know how we can deal with? |
| | Neglected Tropical Parasitic Diseases (NTDs) 2 Malky (W2 D2) | Dr. S. Al-Harathi Dr. M. ELMalky Dr. N. Mowafy Dr. A. EL-Sayed | ➤ Interactive lecture ➤ TBL trypanosomiasis | <ul style="list-style-type: none"> Design possible strategies for control and prevention of NTDs. |
| | Travel Medicine Dr Anhar (W2 D3) | Dr. S. Al-Harathi Dr. M. ELMalky Dr. N. Mowafy Dr. A. EL-Sayed | ➤ Interactive lecture ➤ TBL (Giardiasis) | <ul style="list-style-type: none"> Know pre-travel medical recommendations and advice. Identify types of immunization for travel. Recognize illness in travelers returning from overseas travel. |
| | Self-Learning (W2 D4) | Dr. S. Al-Harathi Dr. M. ELMalky Dr. N. Mowafy Dr. A. EL-Sayed | ➤ Self-Learning ➤ Group discussion | <ul style="list-style-type: none"> Interpret the results and data of a published manuscript of a related topic given to them. Appraise thinking. |
| | Presentations (W2 D5) | Dr. S. Al-Harathi Dr. M. ELMalky Dr. N. Mowafy Dr. A. EL-Sayed | ➤ Flipped class, the student will present related topic assigned to them in advance at the start of the course. | <ul style="list-style-type: none"> Demonstrate and illustrate their ability to present themselves and acquire confidences. |

Weekly Schedules/female side

Week 1: (Theme Title: Tropical Medicine & Global disease eradication)

| | Sunday | Monday | Tuesday | Wednesday | Thursday |
|------------------------|--|--|--|--|--|
| 8.00 10.00 | Interactive L Dr. N. Mowafy | Interactive L Dr. A. EL-Sayed | Interactive L Dr. N. Mowafy | Interactive L Dr. A. EL-Sayed | Field Study visit Dr. N. Mowafy Dr. A. EL-Sayed |
| 10.00 11.00 | General discussion Dr. N. Mowafy Dr. A. EL-Sayed | TBL (Leishmania) Dr. N. Mowafy Dr. A. EL-Sayed Quiz at the end | TBL (Toxoplasma) Dr. N. Mowafy Dr. A. EL-Sayed | TBL (Dengue) Dr. N. Mowafy Dr. A. EL-Sayed Quiz at the end | |
| 13.00 | | | | | |
| 14.00 | | | | | |
| 15:00 | | | | | |
| 16:00 | | | | | |

L: Lecture LG: Large Group IL: Interactive Lecture Lab: Laboratory TBL: Task Based Learning CBL: Case Based Learning FC: Flipped Class Dis Rm: Dissection Room

Week 2: (Theme title: Neglected Tropical Diseases and Travel Medicine)

| | Sunday | Monday | Tuesday | Wednesday | Thursday |
|------------------------------|---|--|--|---|--|
| 8.00 10.00 | Interactive L Dr. N. Mowafy | Interactive L Dr. A. EL-Sayed | Interactive L Dr. A. EL-Sayed | Self-Learning Dr. N. Mowafy Dr. A. EL-Sayed | Presentation Dr. N. Mowafy Dr. A. EL-Sayed |
| 10.00 11.00 | TBL Schistosomiasis Dr. N. Mowafy Dr. A. EL-Sayed Quiz at the end | TBL Trypanosomiasis Dr. N. Mowafy Dr. A. EL-Sayed | TBL Giardiasis Dr. N. Mowafy Dr. A. EL-Sayed Quiz at the end | | |

L: Lecture LG: Large Group IL: Interactive Lecture Lab: Laboratory TBL: Task Based Learning CBL: Case Based Learning FC: Flipped Class Dis Rm: Dissection Room

Weekly Schedules/male side

Week 1: (Theme Title: Tropical Medicine & Global disease eradication)

| | Sunday | Monday | Tuesday | Wednesday | Thursday |
|------------------------------|--|---|--|--|---|
| 8.00 10.00 | Interactive L S. AL-Harathi | Interactive L M. EL-Malky | | Field Study visit S. AL-Harathi M. EL-Malky | Interactive L S. AL-Harathi |
| 10.00 11.00 | General discussion S. AL-Harathi M. EL-Malky | TBL (Leishmania) S. AL-Harathi M. EL-Malky Quiz at the end | | | TBL (Dengue) S. AL-Harathi M. EL-Malky Quiz at the end |
| 13.00 15.00 | | | Interactive L M. EL-Malky | | |
| 15:00 16:00 | | | TBL (Toxoplasma) S. AL-Harathi M. EL-Malky | | |
| 16:00 | | | | | |

L: Lecture LG: Large Group IL: Interactive Lecture Lab: Laboratory TBL: Task Based Learning CBL: Case Based Learning FC: Flipped Class Dis Rm: Dissection Room

Week 2: (Theme title: Neglected Tropical Diseases and Travel Medicine)

| | Sunday | Monday | Tuesday | Wednesday | Thursday |
|------------------------------|---|--|--|-----------|--|
| 8.00 10.00 | Interactive L S. AL-Harathi | Interactive L M. EL-Malky | Interactive L S. AL-Harathi | | Presentation S. AL-Harathi M. EL-Malky |
| 10.00 11.00 | TBL Schistosomiasis S. AL-Harathi M. EL-Malky Quiz at the end | TBL Trypanosomiasis S. AL-Harathi M. EL-Malky | TBL Giardiasis S. AL-Harathi M. EL-Malky Quiz at the end | | |

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|--------------|--|--|--|---|--|
| 13:00 | | | | Self-Learning S. AL-Harhi M. EL-Malky | |
| 14:00 | | | | | |
| 15:00 | | | | | |
| 16:00 | | | | | |

L: Lecture LG: Large Group IL: Interactive Lecture Lab: Laboratory TBL: Task Based Learning CBL: Case Based Learning FC: Flipped Class Dis Rm: Dissection Room

Student evaluation of course

We will follow the quality assurance procedure through the online evaluation form to have a feedback from the enrolled student.