The Biological Program Master
(BISC 636°) (Advanced parasitology)
Second semester (2011-2012)

Lecturer:
Dr. Adnan Ibrahim Al-Hindi,

Objectives of the course:
- To equip students with the needed knowledge of different topics in parasitology.
- To understand the control of human parasitic diseases.
- To study the host-parasite interactions at molecular level and vaccine use, immunological aspects of human parasites-interactions, molecular epidemiology of parasites.
- To provide students with practical skills and diagnostic techniques to be used in research parasitology.

Course Outline

<table>
<thead>
<tr>
<th>Week</th>
<th>Topic</th>
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<tbody>
<tr>
<td>1st</td>
<td>A comprehensive review of the parasites of humans and the diseases they cause.</td>
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<tr>
<td>2nd</td>
<td>Giardia and Giardiasis</td>
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<td>3rd</td>
<td>Control of human parasitic diseases</td>
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<td>4th</td>
<td>Control of human parasitic diseases</td>
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<td>5th</td>
<td>Immunity to parasites</td>
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<td>6th</td>
<td>Immunity to parasites</td>
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<td>7th</td>
<td>Food-borne diseases</td>
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<td>8th</td>
<td>Water-borne diseases</td>
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<td></td>
<td><strong>MID EXAM</strong></td>
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<tr>
<td>9th</td>
<td>Anti/protozoal and antihelminthic drugs</td>
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<td>10th</td>
<td>Vaccine and Vaccination</td>
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<td>11th</td>
<td>Molecular parasitology</td>
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<td>12th</td>
<td>Research in parasitology and practical session in advanced parasitology.</td>
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<td>13th</td>
<td>Different diagnostic techniques used in parasitology. (conventional and advanced techniques)</td>
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<td>14th</td>
<td>Seminar (Published article)</td>
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<td>15th</td>
<td>Seminar (topic presentation)</td>
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<td>16th</td>
<td><strong>FINAL EXAM</strong></td>
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Evaluation
- Mid exam 30%
- Seminar 10%
- Final exam 60%
References:


Some titles of Journals:
- Parasitology.
- International Journal of parasitology.
- Parasitology Research.
- Public Health.
- Acta tropical
- International Journal of Infectious Diseases

WEB SITES
Published articles on parasitic diseases in Gaza Strip exist in the following Journals:


