Course Contract

- **Name of the course:** Pharmacology

- **Academic year:** third year

- **Course title and Code:** PCL 303

- **Contact hours (Credit hours):**
  - Lectures 4 hrs / week
  - Tutorial/Practical 2 hrs / week
  - Total 6 hrs / week

- **Course aims:**
  By the end of the course the student should be able to:
  1. Provide the basic knowledge about commonly used groups of drugs affecting different body systems and their implications in therapy of disease and health promotion.
  2. Understand the safe use of drugs as regards adverse effects, contraindications and drug interactions.
  3. Have enough skills & attitude towards selection and use of drugs on rational basis.
  4. Adopt lifelong learning

- **ILOS:**
  a1. Describe the pharmacokinetic, pharmacodynamic and pharmacotherapeutic properties of cardiovascular, respiratory, autonomic, hematological drugs affecting body systems (a7)
  b3. Explain the mechanism of drug action (b1)
  C2. Calculate accurately drug’s dosage, bioavailability, plasma half life and volume of distribution in different patient populations - put in consideration appropriate route of administration, age, sex & associated diseases (c8)
  C3. Write a prescription for selected important diseases (c8)
  A9. Explain the use of life saving drugs (a8)
  a2. Determine the pharmacological principles of treatment using drugs, their efficacy in the management of diseases as well as their side effects (a7)
  a3. Summarize the principles of management of status asthmaticus, angina, emergency hypertension (a8)
  d3. Accept the importance of life-long self-learning and show a strong commitment to it (d17)
-Student assessment:

5.1. Methods:

Evaluate

Class activity (attendance, research, quizzes & conferences attendance)
Mid year exam
Practical exam
Final written exam
Oral exam

5.2. Assessment Schedule:

Class activity
Mid term exam
Practical exam
Final written exam
Oral exam

* According to the exam time table

5.3. Weight of Assessments in:

<table>
<thead>
<tr>
<th>Assessment</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Class activity</td>
<td>15.4%</td>
</tr>
<tr>
<td>Attendance</td>
<td></td>
</tr>
<tr>
<td>Research</td>
<td></td>
</tr>
<tr>
<td>Quizzes</td>
<td></td>
</tr>
<tr>
<td>Mid year exam</td>
<td>14.6%</td>
</tr>
<tr>
<td>Practical &amp; clinical exam</td>
<td>13.3%</td>
</tr>
<tr>
<td>Final written exam</td>
<td>43.4%</td>
</tr>
<tr>
<td>Oral exam</td>
<td>13.3%</td>
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</tbody>
</table>

Total 100% (300 Marks)

Any formative assessments

Course Coordinator: Prof Nabila Moustafa

Head of Department: Prof. Dr. Nabila Moustafa