Unit Outline
Medical Science Practice 331
Semester 1
2011

Unit Details

Unit Index No: 311411
Credit points: 25 credits
Pre-requisite Units: Completion year 2 of BSc (Medical Science) or as agreed by unit coordinator.
Unit Coordinator Mr Jeff Jago
Seminar Coordinator Mr Jeff Jago
Jeff Jago’s Office Biomedical Sciences building 308 Room 217
Email: j.jago@curtin.edu.au
Phone: (08) 9266 2345
Fax: (08) 9266 2342

Unit Assessment
You must pass each component of this unit.

<table>
<thead>
<tr>
<th>Assessment Task</th>
<th>Mode</th>
<th>My Mark</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mid Semester Test Sem 1</td>
<td>Written Examination</td>
<td>20%</td>
</tr>
<tr>
<td>Compulsory Exercises</td>
<td></td>
<td>15%</td>
</tr>
<tr>
<td>Semester 1 Examination</td>
<td>Written Examinations</td>
<td>50%</td>
</tr>
<tr>
<td>Life Sciences Seminar program</td>
<td>3 selected reports</td>
<td>15%</td>
</tr>
<tr>
<td>TOTAL 100%</td>
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More information on assessment for this unit is present on pages 6-12 of this unit outline.
**Unit Outline - Contents**

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<tr>
<td>Seminar details</td>
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Please read this outline fully before commencing your study in this unit.
Welcome to Medical Science Practice 331

Medical Science Practice 331 is a CORE unit for the Medical Science course.

A pre-requisite to enrolling in this unit is for you to have completed second year of the Bachelor of Science (Medical Science) course.

Unit Outline
The unit outline (this document) gives you important information about the general aims of the unit and details about the assessment, including allocation of marks, grading criteria and submission dates. You should make this unit outline the first document that you read for the unit. Study it carefully, paying particular attention to assessment instructions and submission dates.

AIM
Today, employers seek university graduates capable of working independently, who can plan and organise their workload to achieve pre-determined goals. Abilities to retrieve, analyse and evaluate information, develop problem solving, decision making skills and to work as part of a team are seen as highly desirable qualities. All university graduates are expected to have effective written, verbal and interpersonal communication skills.

The Clinical Laboratory Placement component of the Unit has been developed with Industry to provide you with the opportunity to experience professional aspects of a career in Medical Science.

Contact Details

Unit Coordinator
Jeffrey Jago
Room 308:217
Tel: 08 9266 2345
Fax: 08 9266 2342
Email: j.jago@curtin.edu.au
Requirements to complete the unit

Prerequisite Skills
The content covered in Medical Science Practice 331 assumes that you:
- are competent in English, basic mathematics and
- have good written and verbal communication skills
- have a broad understanding of the fundamental disciplines in Medical Science.

Technology
The unit is hosted on FLECS Blackboard
It is helpful if you have access to:
- a computer with an Internet connection, which you can use effectively.
- email.

Unit Outcomes
Medical Science Practice 331 comprises three main components. These are:

1. Compulsory Exercises
2. Professional Development Lectures
   To review and understand the Medico-legal, Professional and Ethical principles of continuing professional development associated with the career path of a practicing Medical Scientist.
   To be aware and understand the principles of Quality Assurance Systems operating in NATA accredited Medical testing Laboratories.
3. Seminars
   To provide a continuing educational experience via attendance and participation at regular WABRI seminars presented by Medical Scientists working in the Biomedical Sciences.
Unit Learning Outcomes
On successful completion of this unit you will have completed tasks that will have developed the following skills:

Applying Knowledge
- Gain an understanding of clinical laboratory practice in Australia

Thinking Critically
- Critically evaluate seminar presentations

Access, Evaluate and Synthesise information
- Develop the ability to enhance laboratory based skills in the clinical setting

Communication
- Communicate with medical scientists in Industry and Academia

Lifelong Learning Skills
- Understand the concepts of continuing education and professional development via programs administered by professional bodies in Medical science.

International Perspective
- Develop a clear understanding of the guidelines and recommendations described within the International Organisation Standard (ISO 15189), required for laboratory accreditation of medical testing laboratories

Cultural Understanding
- Knowledge of Biomedical Ethics and Principles identified within the scope of a practicing Health Professional, Medical Scientist, Research Scientist

Apply Professional Skills
- Knowledge and understanding of the competency based standards for practicing Medical Scientists
Assessment Format
Assessment for the three components in Medical Science Practice 331 is outlined as follows.

1. Compulsory Exercises 15%
   You must pass this component

2. Professional Development Lectures 70%
   • Mid semester test Semester 1
     This will contribute 20% of the available marks
   • End of Semester 1 Examination
     This will contribute 50% of the available marks.
   You must pass this component

3. Seminars 15%
   • 3 selected reports marked and contribute 15%
   Compulsory attendance and submission of report for all seminars

Professional Development Lecture

- Attendance at all lectures is recommended
- A mid semester test held on 23rd April 2010
- A Semester Examination
- You MUST obtain a Graded Pass in this component

Seminars

- Attendance is compulsory
- Submission of all seminar reports - 3 seminars assessed 15%
  You MUST obtain a Pass in this component

LAST DATE for hand in of reports to Jeff Jago: Friday 27th May 2011
STUDENT NOTES

Medical Science Practice 331 is a significant UNIT in the BSc (Medical Science) course. Failure to complete may lead to termination of the student's course of study.

Deferred Assessment
Students unable to complete any components of this Unit, should advise the Unit Coordinator as soon as possible in order to make alternative arrangements or withdraw from the Unit.

YOUR ATTENTION IS DRAWN TO THE FOLLOWING
Student rights and responsibilities
All units, including this unit, for enrolled Curtin University of Technology students are subject to the following policies:

1. The University statement on the nature and unacceptability of academic dishonesty including cheating, plagiarism and the fabrication or falsification of data.
2. The University statement on individual rights and responsibilities regarding the proper use of copyright material.
3. Student Charter.
   This Charter states the expectations of students and staff in their interactions as members of the Curtin community.
4. Grievance Procedures
   This policy covers “Any real or perceived ground for complaint including perceived racial or sexual harassment; discrimination on the grounds of disability, race, religious belief, political viewpoint, sex, marital status or pregnancy; or any other unfair or improper treatment.”

It is your responsibility to familiarise yourself with these policies, details of which can be found at http://students.curtin.edu.au/rights/

PLAGIARISM POLICY
Plagiarism is a serious offence. It is your responsibility to inform yourself of the Universities plagiarism policy, which is available at: http://students.curtin.edu.au/rights/plagiarism.cfm
SUPPLEMENTARY EXAMINATIONS
Supplementary examinations are awarded only at the discretion of the Board of Examiners. The aim of a supplementary examination is to allow the student to correct minor problems /deficiencies in the initial assessment and not to gain extra study time or correct major problems. Only one supplementary examination may be awarded to a student each semester for this course of study.

NB. Supplementary examinations are not automatically awarded.

The Board of Examiners will carefully review individual cases.
No written application for supplementary examination will be considered.

Supplementary examinations, if awarded, will be indicated online only on the official Curtin communication channel. It is your responsibility to check your status. A student who does not sit for a scheduled supplementary examination has no claim to a further examination. If you are awarded a supplementary examination it is imperative that you confirm the time and venue for the exam.

DEFERRED ASSESSMENT
Deferment of an examination is not automatic. Students may be permitted by the relevant Board of Examiners to defer an examination or other assessment where circumstances outside their control have arisen. However, a student's overall performance may be taken into account in granting permission to defer an examination.

Applications for deferment on health grounds or as a result of extenuating circumstances must be submitted not later than seven (7) days after the end of the relevant examination period or assessment date during the semester. Detailed medical certificates should be attached to the application where appropriate.

The prescribed application form may be obtained either from FSSO or the Schools office. Completed forms must be submitted to the School office. This includes applications for deferred assessment for units in your course of study conducted by other Schools.

MOBILE TELEPHONES
As a courtesy to both lecturers and other students, if you have a mobile phone, please ensure that it is TURNED OFF during lecture, tutorial and practical sessions. Students who do not comply with this request can be asked to leave the class.
If you have made arrangements to have your phone ON, remember to sit near the isle, put the caller on hold and make your way out of the theatre to have your conversation.

UNDER NO CIRCUMSTANCES SHOULD YOU HAVE YOUR PHONE CONVERSATION IN THE LECTURE THEATRE
## Unit Timetable

**Professional Development Lectures**  
A series of lectures will be held on **Wednesday 1.00 – 2.00pm Lecture Theatre, Building 408:1019**

<table>
<thead>
<tr>
<th>Week</th>
<th>Date</th>
<th>Lecture 1-2pm</th>
<th>Topic</th>
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<tbody>
<tr>
<td>1</td>
<td>2/3</td>
<td>Lec 1</td>
<td>Laboratory Medicine in WA</td>
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<tr>
<td>2</td>
<td>9/3</td>
<td>Lec 2</td>
<td>Competency Based Standards for Medical Scientists</td>
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<tr>
<td>3</td>
<td>16/3</td>
<td>Lec 3</td>
<td>Professional Education and Development</td>
</tr>
<tr>
<td>4</td>
<td>23/3</td>
<td>Lec 4</td>
<td>Laboratory Practice – Components and resources</td>
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<tr>
<td>5</td>
<td>30/3</td>
<td>Lec 5</td>
<td>Quality Accreditation and NATA</td>
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<tr>
<td>6</td>
<td>6/4</td>
<td>Lec 6</td>
<td><strong>Mid Semester TEST</strong></td>
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<tr>
<td>7</td>
<td>13/4</td>
<td>Lec 7</td>
<td>ISO 15189 Management requirements</td>
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<tr>
<td>8</td>
<td>20/4</td>
<td>Lec 8</td>
<td>ISO 15189 Technical requirements</td>
</tr>
<tr>
<td>9</td>
<td>27/4</td>
<td></td>
<td><strong>WEEK FREE</strong></td>
</tr>
<tr>
<td>10</td>
<td>16/4</td>
<td>Lec 9</td>
<td>NATA/RCPA Additional Requirements</td>
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<td>11</td>
<td>23/4</td>
<td>Lec 10</td>
<td>Professional Virtues / Scientific Fraud and Plagiarism</td>
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<td>12</td>
<td>30/4</td>
<td>Lec 11</td>
<td>Biomedical Ethics in Laboratory Medicine</td>
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<td>13</td>
<td>7/5</td>
<td>Lec 12</td>
<td>Review</td>
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</table>

**Study Week**

**Examinations**
WABRI Seminars
There will be Six presentations per semester and attendance is compulsory.

Assessment
You are required to provide a report for all of the seminars. The reports should demonstrate a broad understanding of the topic presented, incorporating some critical appraisal and comment.

Reports should be
- Typed
- Approximately 300 words
- Provide a personal rating on your degree of interest in each seminar topic and the quality of the presentation. Use a scale of 1 to 10 with 1 being lowest, 10 highest

Last date for hand in of portfolio of all reports: Friday 27th May 2011.
(Please do not hand in one at a time)

WABRI LIFE SCIENCES SEMINAR

Wednesday 12.00 – 1.00 pm
Lecture theatre 408.1019

<table>
<thead>
<tr>
<th>Week</th>
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<td>14</td>
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<td>66-17/6</td>
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Student Progress
Regular updates of student progress through the unit will be posted on the FLECS Blackboard site. It will be your responsibility to access this file and to inform the Unit coordinator of any discrepancy associated with your record.