Laboratory Medicine Practice 436 (311436)

Semester One, 2012

Unit study package number: 311435
Mode of study: External
Tuition pattern summary: 7 weeks of supervised clinical laboratory placement in a NATA approved diagnostic pathology laboratory
This unit contains a fieldwork component
Credit value: 50
Pre-requisite units: Medical Science 331 and Lab Medicine Practice 332
Co-requisite units: Completion of Fieldwork Preparation Online program via Blackboard
Anti-requisite units: None
Additional Requirements: None
Result type: Pass/Fail
Approved incidental fees: None

Scheduled times and Venues: 35 working day period in the second half of the calendar year in a NATA accredited medical laboratory

Clinical Laboratory Coordinator: Name: Associate Professor Vincent Williams
Phone: (08) 9266 9046
Email: v.williams@curtin.edu.au
Building : Room: 308.201
Consultation times: Monday – Friday

Clinical Placement Liaison Name: Mrs Helen Strano
Phone: 0409 080812
Email: helen.strano@curtin.edu.au
Consultation times: Friday

Learning Management System: FLECS - Blackboard (oasis.curtin.edu.au)
Syllabus
7 weeks of supervised professional practice in a “National Association of Testing Authorities” (NATA) accredited medical laboratory. Students will undertake discipline specific clinical laboratory placement gaining competency, skills and knowledge in the systems and processes documented in the laboratory’s Standard Operating Procedures (SOPs) related to a discipline specific set of elements outlined in Unit 3 of the Competency based standards for Medical Scientists published in Dec 2009

Introduction
The Laboratory Medicine Practice Unit 435 is the third of four clinical laboratory placement units and is designed to give laboratory medicine students general competency in a discipline specific area to the standard specified in all the elements outlined in Competency based unit 3 for Medical Scientists, published in December 2009.

Unit Learning Outcomes
On successful completion of this unit students can:

1. Report laboratory results with assistance, using clinical information

2. Communicate effectively with colleagues, managers, professional staff and industry

3. Operate and maintain the range of laboratory equipment required in an accredited laboratory

4. Evaluate own performance during the laboratory placement and determine appropriate actions to enhance future practices.

5. Implement discipline specific clinical laboratory practice, with assistance, to interpret, verify, and validate clinical information according to ISO 15189

6. Demonstrate professional behaviours and ethical practices in accordance with the Australian Standards on Ethics in Laboratory Medicine

Curtin’s Graduate Attributes

<table>
<thead>
<tr>
<th>Attribute</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Apply discipline knowledge</td>
<td>Thinking skills (use analytical skills to solve problems)</td>
</tr>
<tr>
<td>Communication skills</td>
<td>Information skills (confidence to investigate new ideas)</td>
</tr>
<tr>
<td>Technology skills</td>
<td>Learning how to learn (apply principles learnt to new situations)</td>
</tr>
<tr>
<td></td>
<td>(confidence to tackle unfamiliar problems)</td>
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</tbody>
</table>
Learning Activities

Students will undertake discipline specific activities identified by senior scientists from industry and academia reflecting performance criteria associated with specimen processing and result interpretation, reporting and issuing

You are required where possible to provide documentary evidence of the activities undertaken, being mind full of your obligation to STRICTLY ADHERE TO PATIENT CONFIDENTIALITY AND REMOVAL OF ALL PERSONAL AND DEMOGRAPHIC DETAILS.

At the end of each week the supervisor or delegated staff member will sign off on the student’s discipline specific activities that have been written up in their “Competency Assessment Manual”.

The Clinical Laboratory coordinator will regularly interview all students, review their manual and provide feedback to their supervisor

Format of the “Competency Assessment Manual”

Students will write up each activity at the end of the day and then present the manual at the end of the week to the delegated staff member or supervisor for verification.

All students must undertake all activities and present documented evidence that demonstrate they have achieved competency in the following Competency-based Units for Medical Scientists.

Unit 1 Collect, prepare and analysis of clinical material
Unit 2 Correlation and validation of results of investigations
Unit 3 Interpretation, reporting and issuing of laboratory results
Unit 4 Maintenance of documentation, equipment, resources and stock
Unit 5 Maintenance and promotion of safe working practices
Learning Resources

Online Resources
- Students Discipline specific “Competency Assessment Manual” for Laboratory Medicine Practice 334

Assessment

Assessment Schedule

<table>
<thead>
<tr>
<th>Task</th>
<th>Value (%)</th>
<th>Date due</th>
<th>Unit Learning Outcome(s) assessed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Competency Assessment Manual</td>
<td>Pass/Fail</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Supervisor assessment of student</td>
<td>Pass/Fail</td>
<td></td>
<td></td>
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</tbody>
</table>

Pass requirements
Pass/Fail

Referencing style
Students should use the [insert preferred referencing style here] referencing style when preparing assignments. More information can be found on this style from the Library web site: library.curtin.edu.au/research_and_information_skills/referencing

Plagiarism
Plagiarism occurs when work or property of another person is presented as one's own, without appropriate acknowledgement or referencing. Plagiarism is a serious offence. For more information refer to academicintegrity.curtin.edu.au

Plagiarism Monitoring
Work submitted may be subjected to a plagiarism detection process, which may include the use of systems such as ‘Turnitin’. For further information see http://academicintegrity.curtin.edu.au/students/turnitin.cfm.

Plagiarism Policy (as adopted by the School of Biomedical Sciences)
It is not acceptable to simply copy the words of other students or authors when completing the weekly exercises and assignments in this unit. This action constitutes plagiarism and is regarded as academic malpractice. The penalties for plagiarism can be severe and may include termination from your course of study. All direct quotes must be correctly attributed to the author and should be kept to a minimum. Also, you should include a list of references to acknowledge the source(s) of information used to produce any written work. Use the
“Chicago” referencing system. The library has a handout on the Chicago referencing systems available online at:

(http://library.curtin.edu.au/research_and_information_skills/referencing/chicago.pdf)

The School of Biomedical Sciences advises students that it will use screening software to check for plagiarism in submitted work suspected of containing plagiarised material and also for routine screening of text as deemed appropriate by the Head of School.

Useful examples and explanations of plagiarism may be seen at the following web site – These will help you in understanding the nature of this form of academic malpractice.

http://www.indiana.edu/~wts/wts/plagiarism.html

As a guide only, typical penalties which may be imposed by the School of Biomedical Sciences for some of the more common types of plagiarism (including collusion) are shown in the Table below. Please note that each case of academic malpractice is assessed individually, and that penalties actually imposed by the Head of School (or delegate) may vary from the examples shown in the Table.

<table>
<thead>
<tr>
<th>Example</th>
<th>Degree of seriousness</th>
<th>Typical Penalty</th>
</tr>
</thead>
<tbody>
<tr>
<td>Students submitting very similar work (even as a result of legitimate co-operation)</td>
<td>Collusion</td>
<td>Loss of marks for that question or assignment etc by both students</td>
</tr>
<tr>
<td></td>
<td>Minor to Severe depending on context</td>
<td></td>
</tr>
<tr>
<td>Not referencing input (factual statements, definitions etc) where students’ words are used</td>
<td>Minor to Intermediate</td>
<td>Loss of 5% of assessment entity for each instance</td>
</tr>
<tr>
<td>Not referencing input where plagiarised words are used</td>
<td>Depends on context, but may be serious</td>
<td>Loss of 50 – 100% of marks for that question or assignment as appropriate</td>
</tr>
<tr>
<td>Not acknowledging ideas or concepts of others (ie. stealing intellectual property)</td>
<td>Serious misconduct</td>
<td>Loss of marks plus an additional penalty which could entail failure of unit and/or possible termination from course depending on the circumstances</td>
</tr>
</tbody>
</table>


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In accordance with university policy, information regarding the above topics can be found online (http://www.policies.curtin.edu.au).

START UP 2012

This CD is available through the Student Services office and contains information which may be useful to you.