Diagnostic Cytology 331 Unit Outline  
Semester 1 2012

<table>
<thead>
<tr>
<th>Unit Index No:</th>
<th>310498</th>
</tr>
</thead>
<tbody>
<tr>
<td>Credit Points:</td>
<td>25 credit points are available on successful completion of this unit.</td>
</tr>
<tr>
<td>Pre-requisite Units</td>
<td>Histopathology 231, Pathology 232 or recognized equivalent</td>
</tr>
</tbody>
</table>
| Unit Coordinators   | Alina Miranda  
                    | Associate Professor Vincent Williams |
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                    | Curtin University of Technology  
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                    | PERTH WA 6845 |
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                    | V.Williams@curtin.edu.au |
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                    | Rm: 308.209  
                    | Rm: 308.201 |
| Fax:                | (08) 9266 2342   |

Prerequisite Skills:

The content covered in this unit assumes that you:
1: Have prerequisite units.
2: Have good written and verbal communication skills.
3: Can effectively source, access and use library resources (printed and electronic).
4: Are familiar with the use of a computer.

Technology:

It is helpful, but not essential, that you have access to:
1: A computer with an internet connection.
2: email (preferred) a telephone or fax number to contact your tutor and other students studying the same unit.

You can access the computing facilities on campus if you do not have a computer at home.
TEXTBOOKS

No specific textbooks are required to be purchased for this unit. However, students should make extensive use of reference material, audio-visual 35mm slides and CD’s.

REFERENCE TEXTS (Some in closed reserve in the library)


Delivery of Unit:

Lectures 2.0 hours/week
Tutorials/Practicals 3.0 hours/week

Plagiarism policy 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) information used to produce any written work.

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

This is a useful website that will help you to understand and explain plagiarism.
http://www.indiana.edu/~wts/wtsplagiarism.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 1.1.

Table 1.1:

<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 cooperation)</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)</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 the course depending on the circumstances</td>
</tr>
</tbody>
</table>

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. The number of supplementary examinations awarded will be kept to a minimum for any one-examination period and for this course of study.

NB: Supplementary examinations are NOT automatically awarded. The Board of Examiners will carefully review individual cases.

Supplementary examinations, if awarded will be indicated on the official Curtin examination result statement posted to all students, and will also be listed on the School (or Departmental) noticeboard 24 hours after the Board of Examiners meeting. It is your responsibility to check you status. Students should note that supplementary examinations for units conducted in the School will be held during the week beginning date. 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 no 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 Admission and Student Records, the Course Administrator or the First Year coordinator. Completed forms must be submitted to the Course Administrator. This includes applications for deferred assessment for units in your course of study conducted by other schools.

Mobile phones

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 and when on clinical rotations. Students who do not comply with this request can be asked to leave the class.

First Semester

Unit Outcomes

On successful completion of this semester 1 unit, students will be able to:

1: Demonstrate knowledge of the anatomy and histology of organs of the female genital tract, the respiratory tract and urinary bladder relating to sites sampled for cytological evaluation.

2: Define and explain some of the benign and neoplastic processes that affect cells and tissues and discuss aspects relevant to laboratory investigation.

3: Recognise and be able to report accurately the cytological manifestations of commonly encountered pathological changes seen in gynaecological cytology, respiratory cytology specimens and urinary bladder specimens.

4: Demonstrate professional ethics in Medical Laboratory Science.
Method of Assessment

Assessment during first semester will be:

Assessment 1 week 5 5%
Assessment 2 week 10 10%

A pass must be obtained in both microscopy and written components

Case study report 5%
End of semester practical examination 40%
This includes screening of slides and digital image test
End of semester theory examination 40%

TOTAL 100%

Students must achieve a pass in the Microscopy and written cytology competency assessments. If a fail is registered the competency test (practical, written or both) must be repeated until a pass is achieved.

Final exams Semester 1 are worth 80% (40% theory, 40% practical).
The theory exam may consist of 2 essay questions and 2/3 short answer questions.
The practical exam consists of an image test and a screening test which contains 10 smears with material covered throughout the semester. Twelve minutes will be allocated to each slide.
A fail in the final microscopy examination will be registered if more than 4 slides out of 10 are reported incorrectly.

If a pass is obtained in the written exam, but a fail is reported in the practical exam (or vice versa), then a supplementary exam may be offered after review by the board of examiners. However, if both sections are not passed, the student will be required to repeat the semester.

IMPORTANT: STUDENTS ARE REMINDED THAT-

IT IS COMPULSORY TO SUCCESSFULLY PASS FIRST SEMESTER BEFORE PROCEEDING TO SECOND SEMESTER.
## DIAGNOSTIC CYTOLOGY 331
### 1ST SEMESTER 2012
School of Biomedical Science

<table>
<thead>
<tr>
<th>DATE</th>
<th>Lecturer/Tutor</th>
<th>Lecture (L) - Tutorial/Practical (T) Topic</th>
<th>Topic</th>
</tr>
</thead>
</table>
| 1      | 27-Feb A Miranda | Introduction to the cytology course Assignment Due 28-May 2012  
Introduction to course anatomy, histology and normal cytology of the FGT and the Papanicolaou smear  
Unsatisfactory smears | Assignment Due 28-May 2012 |
| 28-Feb | A Miranda      | Gross specimens, Normal histology and Cytology features                                                 | (T)                                                                  |
| 2      | 5-Mar A Miranda | Inflammatory changes  
Benign Proliferative reactions  
Micro-organisms                                                        | (L)                                                                  |
| 6-Mar  | A Miranda      | Inflammatory changes, benign proliferative reactions and micro organisms                              | (T)                                                                  |
| 3      | 12-Mar A Miranda | Hormonal cytology                                                                                       | (L)                                                                  |
|        | V Williams     | Biology of neoplasia                                                                                   | (L)                                                                  |
| 13-Mar | A Miranda      | Hormonal cytology (Practical review session)                                                           | (T)                                                                  |
| 4      | 19-Mar A Miranda | HPV, CIN1, CIN2, CIN3                                                                                   | (L)                                                                  |
| 20-Mar | A Miranda      | HPV, CIN1, CIN2, CIN3                                                                                   | (T)                                                                  |
| 5      | 26-Mar Dr C Metcalf | Invasive Squamous cell carcinoma of cervix  
Colposcopy and associated treatments  
Radiation and chemotherapy                                            | (L)                                                                  |
| 27-Mar | A Miranda      | Invasive squamous cell carcinoma of cervix  
CIN1, CIN 2, CIN 3  
Assessment 1                                                            | (T)                                                                  |
| 6      | 2-Apr A Miranda | Possible high grade  
Possible low grade QAP                                                                                        | (L)                                                                  |
| 6      | 3-Apr A Miranda | Possible high grade  
Possible low grade  
Comparison with CIN                                                                                   | (T)                                                                  |
| 7      | 9-Apr TUITION WEEK FREE |                                                                                                           |                                                                      |
| 8      | 16-Apr Dr C Metcalf | Adenocarcinoma in situ (AIS)  
Invasive adenocarcinoma of cervix  
Look alikes                                                              | (L)                                                                  |
| 17-Apr | A Miranda      | AIS  
Invasive adenocarcinoma of cervix  
Look alikes                                                               | (T)                                                                  |
<table>
<thead>
<tr>
<th>Date</th>
<th>Days</th>
<th>Instructor</th>
<th>Activity</th>
<th>Type</th>
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<tbody>
<tr>
<td>9</td>
<td>23-Apr</td>
<td>A. Miranda</td>
<td>Endometrial Lesions&lt;br&gt;Extrauterine malignancy&lt;br&gt;Ovarian cyst fluids</td>
<td>(L)</td>
</tr>
<tr>
<td>9</td>
<td>24-Apr</td>
<td>A Miranda</td>
<td>Endometrial Adenocarcinoma&lt;br&gt;Extrauterine malignancy&lt;br&gt;Ovarian cyst fluids</td>
<td>(T)</td>
</tr>
<tr>
<td>10</td>
<td>30-Apr</td>
<td>A Miranda</td>
<td>Written Assessment 2&lt;br&gt;Image Test</td>
<td>5%</td>
</tr>
<tr>
<td>1-May</td>
<td></td>
<td>A Miranda</td>
<td>Screening Assessment 1</td>
<td>5%</td>
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<tr>
<td>11</td>
<td>7-May</td>
<td>V Williams</td>
<td>Respiratory tract: Anatomy, histology and benign cytology&lt;br&gt;Collection methods&lt;br&gt;Benign and inflammatory conditions</td>
<td>(L)</td>
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<tr>
<td></td>
<td>8-May</td>
<td>A Miranda</td>
<td>Benign respiratory histology and cytology&lt;br&gt;Micro organisms</td>
<td>(T)</td>
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<tr>
<td>12</td>
<td>14-May</td>
<td>V Williams</td>
<td>Respiratory Tract Malignancy&lt;br&gt;Immunocytochemistry</td>
<td>(L)</td>
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<tr>
<td></td>
<td>15-May</td>
<td>A Miranda</td>
<td>Respiratory tract malignancy&lt;br&gt;Review of benign and malignant respiratory</td>
<td>(T)</td>
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<tr>
<td>13</td>
<td>21-May</td>
<td>A Miranda</td>
<td>Urinary tract: Anatomy, histology and benign cytology&lt;br&gt;Collection methods&lt;br&gt;Mini Tutorial</td>
<td>(L)</td>
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<tr>
<td></td>
<td>22-May</td>
<td>A Miranda</td>
<td>Final screening and Image Assessment</td>
<td>40%</td>
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<tr>
<td>28-May</td>
<td></td>
<td></td>
<td>Study Week</td>
<td></td>
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<tr>
<td>14</td>
<td>4/6-15/6</td>
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<td>First semester exams</td>
<td>40%</td>
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</tbody>
</table>