Unit Outline 2014
Faculty of Health

Systemic Anatomy & Physiology – Winter Term
6529
This Unit Outline must be read in conjunction with:

a) *UC Student Guide to Policies*, which sets out University-wide policies and procedures, including information on matters such as plagiarism, grade descriptors, moderation, feedback and deferred exams, and is available at *(scroll to bottom of page)*  
http://www.canberra.edu.au/student-services

b) *UC Guide to Student Services*, and is available at *(scroll to bottom of page)*  
http://www.canberra.edu.au/student-services

c) Any additional information specified in section 6h.

### 1: General Information

1a **Unit title** – Systemic Anatomy & Physiology

1b **Unit number** - 6529

1c **Teaching Period and year offered** – Winter Term, 2014

1d **Credit point value** – 3 credit points

1e **Unit level** – Level 1

1f **Name of Unit Convenor and contact details**  
Dr Naroa Etxebarria  
Unit Coordinator: Sara Zanetti  
Office 12C3  
Phone 6201 2163  
sara.zanetti@canberra.edu.au

1g **Administrative contact details (including name, location, telephone and email)**  
Susan Sharf  
Office 12D20  
Phone 6201 2009  
susan.sharf@canberra.edu.au
2: Academic Content

2a Unit description and learning outcomes

Description
This unit commences with an overview of body tissues and homeostasis and then examines
the structure and function of the cardiovascular, digestive, respiratory, urinary, integumentary,
immune and reproductive systems.

Learning Outcomes
On completion of this unit students should be able to:
1. Recognise and describe the macroscopic and microscope structure of the above body
   systems;
2. Understand and explain how the above systems carry out their functions and interact with
   each other and the rest of the body in the maintenance of homeostasis.

2b Generic skills
Graduate attributes being developed in this unit include:
1. Communication
2. Working independently and with others

2c Prerequisites and/or co-requisites
None

3: Delivery of Unit and Timetable

3a Delivery mode
Intensive delivery in Winter term format with weekly on-line lectures, on-line support and
intensive (on campus) Laboratory sessions in week 7 (Thursday 24th – Friday 25th of July).

Laboratory sessions SCHEDULE

<table>
<thead>
<tr>
<th>DAY 1 – Thursday 24 July</th>
<th>Reproductive System</th>
<th>Cardiovascular System</th>
<th>Respiratory System</th>
</tr>
</thead>
<tbody>
<tr>
<td>Time</td>
<td>Group 1</td>
<td>Group 2</td>
<td>Group 3</td>
</tr>
<tr>
<td>8:30-9:00</td>
<td>27D2</td>
<td>27B14</td>
<td>27B14</td>
</tr>
<tr>
<td>9:00-9:30</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>9:30-10:00</td>
<td>Respiratory System</td>
<td>Reproductive System</td>
<td>Cardiovascular System</td>
</tr>
<tr>
<td>10:00-10:30</td>
<td>27B14</td>
<td>27D2</td>
<td>27B14</td>
</tr>
<tr>
<td>10:30-11:00</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>11:00-11:30</td>
<td>Respiratory System</td>
<td>Reproductive System</td>
<td>Cardiovascular System</td>
</tr>
<tr>
<td>11:30-12:00</td>
<td>27B14</td>
<td>27D2</td>
<td>27B14</td>
</tr>
<tr>
<td>12:00-12:30</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>12:30-13:00</td>
<td>Cardiovascular System</td>
<td>Reproductive System</td>
<td></td>
</tr>
<tr>
<td>13:00-13:30</td>
<td>27B14</td>
<td>27B14</td>
<td></td>
</tr>
<tr>
<td>13:30-14:00</td>
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</tr>
<tr>
<td>14:00-14:30</td>
<td>Cardiovascular System</td>
<td>Respiratory System</td>
<td>Reproductive System</td>
</tr>
<tr>
<td>14:30-15:00</td>
<td>27B14</td>
<td>27B14</td>
<td>27D2</td>
</tr>
<tr>
<td>15:00-15:30</td>
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</tbody>
</table>
### DAY 2 – Friday 25 July

<table>
<thead>
<tr>
<th>Time</th>
<th>Group 1</th>
<th>Group 2</th>
<th>Group 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:30-9:00</td>
<td>Digestive System 27B14</td>
<td>Digestive System 27B14</td>
<td>Digestive System 27D2</td>
</tr>
<tr>
<td>9:00-9:30</td>
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<tr>
<td>9:30-10:00</td>
<td>Urinary System 27B14</td>
<td>Urinary System 27B14</td>
<td>Urinary System 27D2</td>
</tr>
<tr>
<td>10:00-10:30</td>
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<td>10:30-11:00</td>
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<td>13:00-13:30</td>
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<tr>
<td>13:30-14:00</td>
<td>Lab exam 27B14</td>
<td>Lab exam 27B14</td>
<td>Lab exam 27D2</td>
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<tr>
<td>14:00-14:30</td>
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<td>15:00-15:30</td>
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<td>15:30-16:00</td>
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</table>

**Extra Tutorials:** Students who experience difficulty understanding the unit material or who have not studied science or human biology for some time are strongly encouraged to participate in the **Extra Tutorial Program** run through the **Student Resource Centre**. This program is free of charge and runs approximately 3 hours of extra tutorials per week for all 7 weeks of semester. Tutorial times will be posted on Moodle and in the Student Resource Centre (6B27). In these sessions students will work in small groups with a student tutor who has successfully completed Systemic Anatomy and Physiology.
3b  Timetable of activities, such as lectures/ tutorials/ practicals/ field classes, showing key dates and topics

Recommended study schedule (online) prior to attending laboratory classes on campus:

<table>
<thead>
<tr>
<th>Week</th>
<th>Activity</th>
<th>Textbook Reading</th>
</tr>
</thead>
</table>
| 1    | **Lectures**: Homeostasis & Endocrine System  
**Self-directed learning**: Endocrine PhysioEx simulated lab*  
Lab manual (preparation) | Chapters 1 & 17 |
| 2    | **Lectures**: Reproduction  
**Assessment**: Online quiz 1 (10%)  
Lab manual (preparation) | Chapters 27 & 28 |
| 3    | **Lectures**: Cardiovascular System  
Lab manual (preparation) | Chapters 18, 19 & 20 |
| 4    | **Lectures**: Respiratory System  
**Self-directed learning**: Respiratory PhysioEx simulated lab*  
**Assessment**: Online quiz 2 (10%)  
Lab manual (preparation) | Chapter 22 |
| 5    | **Lectures**: Urinary System  
**Self-directed learning**: Urinary PhysioEx simulated lab*  
Lab manual (preparation) | Chapter 23 |
| 6    | **Lectures**: Digestive System  
**Assessment**: Online quiz 3 (10%)  
Lab manual (preparation) | Chapter 25 |
| 7    | **Self-directed learning**: Immunity, Lymphatic System, & Integumentary System modules  
**Laboratory**: Thursday – Friday intensive  
**Assessment**: Pre-lab work in manual (10%), Laboratory exam (15%) | Chapters 6 & 21 |

*PhysioEx simulated labs are online laboratory modules. Access can be found at:  
http://www.morgance.edu/faculty/smith,l/Physio/PysioEx8.0/bc_physioex_8/627400.cw/-/t/index.html
4: Unit Resources

4a Lists of required texts/readings


Laboratory Manual for Systemic Anatomy and Physiology 6529.

It is strongly recommended that you read and utilise the “Study Guides” for each topic made available on Moodle. This is an additional resource that will direct your learning to the most important aspects of each topic studied.

Textbooks are available to purchase from the University Co-Op Bookshop. The University library holds copies of the textbook on 3 hour loan and on 7 day loan.

4b Materials and equipment

Students must purchase the laboratory manual at the beginning of semester to complete pre-laboratory tasks ahead of the laboratory sessions in Week 7.

Students may purchase their own laboratory gowns, however they will be supplied (on loan) free of charge in each laboratory session.

For Unit readings and resources in the University of Canberra Library

Link to search page for Unit Readings (print materials)
Link to search page for eReserve (electronic materials)

4c Unit website

To find your unit site online, login to LearnOnline(Moodle) using your student ID.

Note that your unit site has a profiles page that displays your name and email address for the benefit of other students. If you prefer to hide your email address, click here for instructions.
5: Assessment

5a Assessment overview

<table>
<thead>
<tr>
<th>Assessment item (including exams held in the exam period)</th>
<th>Due date of assignments</th>
<th>Weighting (Total to equal 100%)</th>
<th>Addresses learning outcome(s)</th>
<th>Related generic skill(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 x Online Quizzes (10% ea)</td>
<td>Week 2, 4 &amp; 6 (online)</td>
<td>30%</td>
<td>1, and 2</td>
<td>2</td>
</tr>
<tr>
<td>Pre-laboratory work</td>
<td>Week 7 in first lab class</td>
<td>10%</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Laboratory Exam</td>
<td>Week 7 in scheduled lab</td>
<td>15%</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>Final Theory Exam</td>
<td>In Exam Period</td>
<td>45%</td>
<td>1, and 2</td>
<td>1, and 2</td>
</tr>
</tbody>
</table>

**UC Generic Skills**

1 - Communication  
2 - Analysis and Inquiry  
3 - Problem Solving  
4 - Working independently and with others  
5 - Professionalism and Social Responsibility

5b Details of each assessment item

Students are required to attempt all assessment items. If you are unwell or unable to complete the assessment item during the scheduled time period you MUST provide a medical certificate or equivalent to the unit convenor as soon as possible. If you do not provide sufficient documentation within 24 hours of the assessment deadline you will not be eligible to attempt the assessment item, resulting in failure of the unit.

The **Online Quizzes** will assess the content covered in online lectures and the self-directed learning material throughout weeks 1 to 6.

- **Quiz 1** (weeks 1 & 2) will examine the content from **Homeostasis, Endocrine and Reproductive Systems** inclusive and it will open on Moodle from 00:01 to 23:59 on Friday 20th June.
- **Quiz 2** (weeks 3 & 4) will examine the content from **Cardiovascular and Respiratory Systems** inclusive and will open on Moodle from 00:01 to 23:59 on Friday 4th of July.
- **Quiz 3** (weeks 5 & 6) will examine the content from **Urinary and Digestive Systems** inclusive and will open on Moodle from 00:01 to 23:59 on Friday 18th of July.

The **Pre-laboratory work**, to be completed prior to the laboratory sessions in week 7 will be graded as completed (10%), half-completed (5%) or not completed (0%).

The **Laboratory Exam** will deal exclusively with the identification of structures covered in the laboratory sessions. The Lab Exam will all of the practical sessions and the Master Lab lecture content online. Students must be examined in the lab group to which they have been assigned.

The **Final Exam** will be composed of multiple choice and short answer questions based upon information obtained in lectures, online material and laboratory sessions for the **entire semester**. No calculators, dictionaries or phones of any kind are permitted in examinations. Only an original, one-sided, hand-written A4 sheet of paper containing your own notes are permitted in the final exam. This sheet will be collected together with your paper at the end. Students must attain at least **50% in the final exam** in order to be able to successfully complete the unit.
5c Submission of assessment items

All quizzes will be submitted online via the unit Moodle site.

5d Special assessment requirements

In order to receive a passing grade students must achieve the following:
1. Complete and submit all assessment items;
2. Receive a grade of 50% in the final exam; and
3. Attain a minimum cumulative score of 50% for the unit.

5e Supplementary assessment

Refer to the UC Supplementary Assessment Policy.

5f Academic Integrity

Students have a responsibility to uphold University standards on ethical scholarship. Good scholarship involves building on the work of others and use of others’ work must be acknowledged with proper attribution made. Cheating, plagiarism, and falsification of data are dishonest practices that contravene academic values. Please see UC's Academic Integrity Policy.

To enhance understanding of academic integrity, it is expected that all students will complete the LearnOnline Academic Integrity Module (AIM) at least once during their course of study. The module is automatically available as a listed site when students log into LearnOnline.

5g Use of text-matching software

The University of Canberra has available, through LearnOnline (Moodle), text-matching software that helps students and staff reduce plagiarism and improve understandings of academic integrity. Known as URKUND, the software matches submitted text in student assignments against material from various sources: the internet, published books and journals, and previously submitted student texts. Click here for further information on the URKUND text-matching software.

6: Student Responsibility

6a Workload

The amount of time you will need to spend on study in this unit will depend on a number of factors including your prior knowledge, learning skill level and learning style. Nevertheless, in planning your time commitments you should note that for a 3cp unit the total notional workload over the semester or term is assumed to be 150 hours. These hours include time spent in classes. The total workload for units of different credit point value should vary proportionally. For example, for a 6cp unit the total notional workload over a semester or term is assumed to be 300 hours.

6b Accessibility unit

Students who need assistance in undertaking the unit because of disability or other circumstances should inform their Unit Convenor or UC AccessAbility as soon as possible so the necessary arrangements can be made.
6c Participation requirements
Students are required to come to the practical laboratory sessions in order to pass the unit. Students are required to attempt all pieces of assessment and are strongly encouraged to engage with the online content presented on Moodle.

6d Withdrawal
If you are planning to withdraw please discuss with your unit convenor. Please see Withdrawal of Units for further information on deadlines.

6e Required IT skills
Students need to be able to access the University Moodle site in order to access the online material.

6f In-Unit Costs
(Note: To calculate your unit fees see: How do I calculate my fees? The online UC Co-op Textbook Search is available for purchasing text books.)

6g Work placements, internships or practicums
None

6h Additional information
Please contact the unit convenor if you require further information or details about the unit.

7: Student Feedback
All students enrolled in this unit will have an opportunity to provide anonymous feedback on the unit at the end of the Semester via the Unit Satisfaction Survey (USS) which you can access by logging into MyUC via the UC homepage: http://www.canberra.edu.au/home/. Your lecturer or tutor may also invite you to provide more detailed feedback on their teaching through an anonymous questionnaire.

8: Authority of this Unit Outline
Any change to the information contained in Section 2 (Academic content), and Section 5 (Assessment) of this document, will only be made by the Unit Convenor if the written agreement of Head of Discipline and a majority of students has been obtained; and if written advice of the change is then provided on the unit site in the learning management system. If this is not possible, written advice of the change must be then forwarded to each student enrolled in the unit at their registered term address. Any individual student who believes him/herself to be disadvantaged by a change is encouraged to discuss the matter with the Unit Convenor.