



## UNSW Course Outline

# SWCH9001 Basic Reproductive Physiology - 2024

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## General Course Information

**Course Code :** SWCH9001

**Year :** 2024

**Term :** Term 1

**Teaching Period :** T1

**Is a multi-term course? :** No

**Faculty :** Faculty of Medicine and Health

**Academic Unit :** School of Clinical Medicine

**Delivery Mode :** Online

**Delivery Format :** Standard

**Delivery Location :** Kensington

**Campus :** Sydney

**Study Level :** Postgraduate

**Units of Credit :** 6

### Useful Links

[Handbook Class Timetable](#)

## Course Details & Outcomes

### Course Description

This course begins in the areas of genetics and molecular biology, then explores the reproductive, and other related hormonal systems, and their effect on reproduction. The male reproductive function and spermatogenesis are also reviewed. The mechanism of sexual

determination, differentiation and development towards reproductive competence are examined.

## Course Aims

In this course you will acquire a solid knowledge base on reproductive physiology. This course aims to introduce you to your postgraduate studies in Reproductive Medicine, getting you accustomed with online learning, using online resources and the Moodle platform, including the different types of assessments. Importantly, this course aims to introduce you to scientific thinking and scientific writing and to motivate you to in-depth study of a topic by seeking information, not only from textbooks, but also from contemporary articles published in scientific journals.

## Relationship to Other Courses

**Assistance with progression checking:**

If you are unsure how this course fits within your program, you can seek guidance on optimising your program structure from staff at the [Nucleus Student Hub](#).

Progression plans for UNSW Medicine and Health programs can be found on the [UNSW Medicine & Health website](#)

# Course Learning Outcomes

Course Learning Outcomes
CLO1 : Outline the basic principles of genetics and molecular biology in relation to reproductive physiology
CLO2 : Discuss the various reproductive hormones, their type, production, storage, transport and mechanism of action.
CLO3 : Explain the mechanism of sexual determination, differentiation and the developmental stages to achieve reproductive competence.
CLO4 : Describe the stages of the ovarian and menstrual cycle.
CLO5 : Outline the process of spermatogenesis and discuss the use of semen analysis to diagnose male infertility.

Course Learning Outcomes	Assessment Item
CLO1 : Outline the basic principles of genetics and molecular biology in relation to reproductive physiology	<ul style="list-style-type: none"><li>• End of Course MCQs</li><li>• Global Participation Mark</li><li>• Major Assignment</li></ul>
CLO2 : Discuss the various reproductive hormones, their type, production, storage, transport and mechanism of action.	<ul style="list-style-type: none"><li>• End of Course MCQs</li><li>• Global Participation Mark</li><li>• Major Assignment</li></ul>
CLO3 : Explain the mechanism of sexual determination, differentiation and the developmental stages to achieve reproductive competence.	<ul style="list-style-type: none"><li>• End of Course MCQs</li><li>• Global Participation Mark</li><li>• Major Assignment</li></ul>
CLO4 : Describe the stages of the ovarian and menstrual cycle.	<ul style="list-style-type: none"><li>• End of Course MCQs</li><li>• Global Participation Mark</li><li>• Major Assignment</li></ul>
CLO5 : Outline the process of spermatogenesis and discuss the use of semen analysis to diagnose male infertility.	<ul style="list-style-type: none"><li>• End of Course MCQs</li><li>• Global Participation Mark</li><li>• Major Assignment</li></ul>

## Learning and Teaching Technologies

Moodle - Learning Management System

## Learning and Teaching in this course

All course materials and course announcements are provided on the course learning management system, Moodle (or Open Access).

By accessing and using the ICT resources provided by UNSW, you are agreeing to abide by the

['Acceptable Use of UNSW ICT Resources'](#) policy particularly on respect for intellectual property and copyright, legal and ethical use of ICT resources and security and privacy.

# Assessments

## Assessment Structure

Assessment Item	Weight	Relevant Dates
End of Course MCQs Assessment Format: Individual	40%	Due Date: 28/04/2024 11:59 PM
Global Participation Mark Assessment Format: Individual	10%	Due Date: Not Applicable
Major Assignment Assessment Format: Individual	50%	Due Date: 21/04/2024 11:59 PM

## Assessment Details

### End of Course MCQs

#### Assessment Overview

These MCQs will test the knowledge you have acquired during this course. In total, you will be asked to answer 40 MCQs in 120 minutes which cover all the topics of the course.

#### Course Learning Outcomes

- CL01 : Outline the basic principles of genetics and molecular biology in relation to reproductive physiology
- CL02 : Discuss the various reproductive hormones, their type, production, storage, transport and mechanism of action.
- CL03 : Explain the mechanism of sexual determination, differentiation and the developmental stages to achieve reproductive competence.
- CL04 : Describe the stages of the ovarian and menstrual cycle.
- CL05 : Outline the process of spermatogenesis and discuss the use of semen analysis to diagnose male infertility.

#### Detailed Assessment Description

Detailed information about this assessment will be provided on the course Moodle page.

#### Assessment Length

40 MCQs in 40 mins

#### Submission notes

Refer to Moodle for submission information. Short extension & Special consideration: This tasks does not have a short extension option.

### **Assessment information**

For this task, the level of use of generative Artificial Intelligence (AI) is categorised as "NO ASSISTANCE." It is prohibited to use any software or service to search for or generate information or answers. If such use is detected, it will be regarded as serious academic misconduct and subject to the standard penalties, which may include 00FL, suspension and exclusion.

### **Assignment submission Turnitin type**

Not Applicable

## **Global Participation Mark**

### **Assessment Overview**

This assessment includes three components requiring engagement of the course throughout the term. It requires you to: complete 6 x End of Module MCQs, contribute to 1x Online discussion forum and create at least 2 MCQs in the BRP Trivia MCQs.

Feedback is provided at the end of each quiz and in the live webinar.

### **Course Learning Outcomes**

- CL01 : Outline the basic principles of genetics and molecular biology in relation to reproductive physiology
- CL02 : Discuss the various reproductive hormones, their type, production, storage, transport and mechanism of action.
- CL03 : Explain the mechanism of sexual determination, differentiation and the developmental stages to achieve reproductive competence.
- CL04 : Describe the stages of the ovarian and menstrual cycle.
- CL05 : Outline the process of spermatogenesis and discuss the use of semen analysis to diagnose male infertility.

### **Detailed Assessment Description**

Participation in Online Discussion, BRP Trivia MCQs, and End of Module MCQs.

Detailed information about this assessment will be provided on the course Moodle page.

### **Submission notes**

Refer to Moodle for submission information. This task does not have a short extension option.

### **Assessment information**

For this task, the level of use of generative Artificial Intelligence (AI) is categorised as "NO ASSISTANCE." It is prohibited to use any software or service to search for or generate

information or answers. If such use is detected, it will be regarded as serious academic misconduct and subject to the standard penalties, which may include 00FL, suspension and exclusion.

#### **Assignment submission Turnitin type**

Not Applicable

## **Major Assignment**

#### **Assessment Overview**

This major assignment will require a deeper understanding of the processes and issues involved and will require additional research. The aim is to assess your grasp of a number of modules and their interrelationship. This is the major component of the final mark and the expectation is to see a comprehensive and properly justified response. The content and the presentation should be appropriate for this level. Please be reminded that this is a course about basic reproductive physiology and, hence, this is the type of knowledge expected to obtain and this is the type of knowledge that will be assessed upon.

#### **Course Learning Outcomes**

- CL01 : Outline the basic principles of genetics and molecular biology in relation to reproductive physiology
- CL02 : Discuss the various reproductive hormones, their type, production, storage, transport and mechanism of action.
- CL03 : Explain the mechanism of sexual determination, differentiation and the developmental stages to achieve reproductive competence.
- CL04 : Describe the stages of the ovarian and menstrual cycle.
- CL05 : Outline the process of spermatogenesis and discuss the use of semen analysis to diagnose male infertility.

#### **Detailed Assessment Description**

Detailed information about this assessment will be provided on the course Moodle page.

#### **Assessment Length**

1500-2000

#### **Submission notes**

This task has a short extension option. A short extension of 2 days is available for this task. See Section 3. Submission of Assessment Tasks in the Other Useful Information tab of your course outline and refer to Moodle for additional submission information.

### **Assessment information**

As this assessment task involves some planning or creative processes, you are permitted to use software to generate initial ideas (**Planning Assistance**). However, you must develop or edit those ideas to such a significant extent that what is submitted is your own work, i.e. only occasional AI generated words or phrases may form part of your final submission.

You should keep copies of the initial prompts to provide to the course convenor if there is any uncertainty about the originality of your work.

If the outputs of generative AI (such as ChatGPT) form a part of your submission, it will be regarded as serious academic misconduct and subject to the standard penalties, which may include 00FL, suspension and exclusion.

UNSW Pro-Vice Chancellor Education and Student Experience (PVCESE) provides guidance on the [use of generative Artificial Intelligence](#) in assessments.

### **Assignment submission Turnitin type**

This assignment is submitted through Turnitin and students can see Turnitin similarity reports.

## **General Assessment Information**

Detailed instructions regarding assessments for this course are provided on the course Moodle page (or Open Learning).

For student information on results, grades, and guides to assessment see: <https://student.unsw.edu.au/assessment>

### **Grading Basis**

Standard

### **Requirements to pass course**

In order to pass this course students must:

- Achieve a composite grade of at least 50 out of 100
- Meet any additional requirements specified in the assessment details section and on Moodle.

# Course Schedule

Teaching Week/Module	Activity Type	Content
Week 1 : 12 February - 18 February	Module	Basic Genetics
Week 2 : 19 February - 25 February	Module	Basic Genetics
Week 3 : 26 February - 3 March	Module	The Hormone
Week 4 : 4 March - 10 March	Module	The Hormone
Week 5 : 11 March - 17 March	Module	Neuroendocrinology and Prolactin
Week 6 : 18 March - 24 March	Module	Sex, Dertermination to Puberty
Week 7 : 25 March - 31 March	Module	Sex, Dertermination to Puberty
Week 8 : 1 April - 7 April	Module	The Ovarian and Menstrual Cycle
Week 9 : 8 April - 14 April	Module	Spermatogenesis
Week 10 : 15 April - 21 April	Module	The Endocrine, Pancreas and Growth Factors

## Attendance Requirements

Students are strongly encouraged to attend all classes and review lecture recordings.

## General Schedule Information

The times and locations of classes can be found on [myUNSW](#) under Class Timetable.

Students enrolled in online courses should also refer to Moodle as some classes are not centrally timetabled (e.g., workshops) and will not appear on the timetable website.

The expected engagement for all UNSW 6UOC courses is 150 hours per term. This includes lectures, tutorials, readings, and completion of assessments and exam preparation (if relevant).

## Course Resources

### Recommended Resources

Recommended resources for this course are provided on the course Moodle page.

### Additional Costs

There are no additional costs associated with this course.

## Course Evaluation and Development

Student feedback is taken seriously, and continual improvements are made to the course based, in part, on such feedback.

We use student feedback from myExperience surveys to develop and make improvements to the



course each year. We do this by identifying areas of the course that require development from both the rating responses and written comments. Please spare a few minutes to complete the myExperience surveys for this course posted at the top of the Moodle page at the end of term.

## Staff Details

Position	Name	Email	Location	Phone	Availability	Equitable Learning Services Contact	Primary Contact
Convenor	Michael Chapman				via appointment (email)	Yes	No
	Fab Horta				via appointment (email)	Yes	Yes

## Other Useful Information

### Academic Information

As a student of UNSW Medicine & Health you are expected to familiarise yourself with the contents of this course outline and the UNSW Student Code and policies and procedures related to your studies.

### Student Code of Conduct

Throughout your time studying at UNSW Medicine & Health, you share a responsibility with us for maintaining a safe, harmonious and tolerant University environment. This includes within the courses you undertake during your degree and your interactions with the UNSW community, both on campus and online.

The [UNSW Student Code of Conduct](#) website provides a framework for the standard of conduct expected of UNSW students with respect to both academic integrity and your responsibility as a UNSW citizen.

Where the University believes a student may have breached the code, the University may take disciplinary action in accordance with the [Student Misconduct Procedure](#).

The [Student Conduct and Integrity Office](#) provides further resources to assist you to understand your conduct obligations as a student at UNSW.

# Academic Honesty and Plagiarism

## Academic integrity

UNSW has an ongoing commitment to fostering a culture of learning informed by academic integrity. All UNSW staff and students have a responsibility to adhere to the principle of academic integrity, and ethical scholarship of learning is fundamental to your success at UNSW Medicine & Health.

Plagiarism, contract cheating, and inappropriate use of generative AI undermine academic integrity and are not tolerated at UNSW. For more information see the [Academic Integrity and Plagiarism toolkit](#).

In addition to the information you are required to review in your [ELISE training](#), UNSW Medicine & Health strongly recommends that you complete the [Working with Academic Integrity](#) module before submitting your first assessment task.

## Referencing

Referencing is a way of acknowledging the sources of information that you use to research your assignments. Preferred referencing styles vary among UNSW Medicine & Health disciplines, so check your course Learning Management System (e.g. Moodle or Open Learning) page for information on preferred referencing styles.

For further information on referencing support and styles, see the Current Student [Referencing page](#).

## Academic misconduct and plagiarism

At UNSW, academic misconduct is managed in accordance with the [Student Misconduct Procedure](#). Allegations of plagiarism are generally handled according to the [UNSW Plagiarism Management Procedure](#). Plagiarism is defined in the [UNSW Plagiarism Policy](#) and is not tolerated at UNSW.

## Use of Generative AI and other tools in your assessment

UNSW has provided guiding statements for the [use of Generative AI in assessments](#). This will differ, depending on the individual assessment task, your course requirements, and the course

stage within your program.

Your course convenor will outline if and how you can use Generative AI in each your assessment tasks. Options for the use of generative AI include: (1) no assistance; (2) simple editing assistance; (3) planning assistance; and (4) full assistance with attribution.

You may be required to submit the original generative AI responses, or drafts of your original work. Inappropriate use of generative AI is considered academic misconduct.

See your course Moodle (or Open Learning) page for the full instructions for individual assessment tasks for your course.

## **Submission of Assessment Tasks**

### **Short extensions and special consideration**

#### *Short extension*

Commencing in Term 1, 2024, UNSW has introduced a short extension procedure for submission of assessment tasks. Not all tasks are eligible, and eligible tasks have a predetermined extension length. UNSW Medicine and Health have set School-level extension lengths for eligible assessment tasks. See your course assessment descriptions for more information.

Students must check the availability of a short extension in the individual assessment task information for their courses.

Short extensions do not require supporting documentation. They must be submitted before the assessment task deadline. No late applications will be accepted.

Late penalties apply to submission of assessment tasks without approved extension.

#### *Special consideration*

In cases where short term events beyond your control affect your performance in a specific assessment task you may formally apply for [Special Consideration](#) through myUNSW.

UNSW has a **Fit to Sit rule**, which means that by sitting an examination on the scheduled date, you are declaring that you are fit to do so and cannot later apply for Special Consideration. Examinations include centrally timetabled examinations and scheduled, timed examinations and tests managed by your School.

Important information relating to Short Extension and Special Consideration is available [here](#), including eligibility for Special Consideration, circumstances where students with Equitable Learning Plans can apply for Short Extensions and Special Consideration, and the appeals process.

## **Examinations**

Information about the conduct of examinations in your course is provided on your course Moodle page.

## **Timed online assessment tasks**

If you experience a technical or connection problem during a timed online assessment, such as a timed quiz, you can apply for Special Consideration. To be eligible to apply you need to contact the Course Convenor and advise them of the issue immediately. You will need to submit an application for Special Consideration immediately, and upload screenshots, error messages or other evidence of the technical issue as supporting documentation. Additional information can be found on: <https://student.unsw.edu.au/special-consideration>

## **Other assessment tasks**

### ***Late submission of assessment tasks***

UNSW has standard late submission penalties as outlined in the [UNSW Assessment Implementation Procedure](#), with no permitted variation. All late assignments (unless extension or exemption previously agreed) will be penalised by 5% of the maximum mark per calendar day (including Saturday, Sunday and public holidays).

Late submissions penalties are capped at five calendar days (120 hours). This means that a student is not permitted to submit an assessment more than 5 calendar days (120 hours) after the due date for that assessment (unless extension or exemption previously agreed).

### ***Failure to complete an assessment task***

You are expected to complete all assessment tasks for your courses. In some courses, there will be a minimum pass mark required on a specific assessment task (a “hurdle task”) due to the need to assure clinical competency.

Where a hurdle task is applicable, additional information is provided in the assessment

information on your course Moodle page.

## Feedback on assessments

Feedback on your performance in assessment tasks will be provided to you in a timely manner. For assessment tasks completed within the teaching period of a course, other than a final assessment, feedback will be provided within 10 working days of submission, under normal circumstances.

Feedback on continuous assessment tasks (e.g. laboratory and studio-based, workplace-based, weekly quizzes) will be provided prior to the midpoint of the course.

Any variation from the above information that is specific to an assessment task will be clearly indicated in the course and assessment information provided to you on your course Moodle (or Open Learning) page.

## Faculty-specific Information

### Additional support for students

The university offers a wide range of support services that are available for students. Here are some links for you to explore.

- The Current Students Gateway: <https://student.unsw.edu.au>
- Academic Skills and Support: <https://student.unsw.edu.au/academic-skills>
- Student support: <https://www.student.unsw.edu.au/support>
- Student Wellbeing, Health and Safety: <https://student.unsw.edu.au/wellbeing>

Mind Smart Guides are a series of mental health self-help resources designed to give you the psychological flexibility, resilience and self-management skills you need to thrive at university and at work.

- Mind Smart Guides: <https://student.unsw.edu.au/mindsmart>
- Equitable Learning Services: <https://student.unsw.edu.au/els>

- Guide to studying online: <https://www.student.unsw.edu.au/online-study>

Most courses in UNSW Medicine & Health use Moodle as your Learning Management System. Guidance for using UNSW Moodle can be found on the Current Student page. Difficulties with Moodle should be logged with the IT Service Centre.

- Moodle Support: <https://student.unsw.edu.au/moodle-support>

The IT Service Desk is your central point of contact for assistance and support with remote and on-campus study.

- UNSW IT Service Centre: <https://www.myit.unsw.edu.au/services/students>

## Course evaluation and development

At UNSW Medicine & Health, students take an active role in designing their courses and their overall student experience. We regularly seek feedback from students, and continuous improvements are made based on your input. Towards the end of the term, you will be asked to participate in the [myExperience survey](#), which serves as a source of evaluative feedback from students. Your input to this quality enhancement process is valuable in helping us meet your learning needs and deliver an effective and enriching learning experience. Student responses are carefully considered, and the action taken to enhance educational quality is documented in the myFeedback Matters section of your Moodle (or Open Learning) course page.

## School Contact Information

School guidelines on contacting staff:

### Course questions

All questions related to course content should be posted on Moodle (or Open Learning) or as directed by your Course Convenor.

In cases where email communication with course convenors is necessary, we kindly request the following:

- Use your official email address for any correspondence with teaching staff.

- We expect a high standard of communication. All communication should avoid using short-hand or texting language.
- Include your full name, student ID, and your course code and name in all communication.

Our course convenors are expected to respond to emails during standard working hours of Monday to Friday, 9am-5pm.

### **Administrative questions**

If you have an administrative question about your program of study at the School please submit your enquiry online at [UNSW Ask Us](#).

### **Complaints and appeals**

Student complaints and appeals: <https://student.unsw.edu.au/complaints>

If you have any grievances about your studies, we invite you to address these initially to the Course Convenor. If the response does not meet your expectations, you may then contact the School Grievance Officer, A/Prof Sean Kennedy ([sean.kennedy@unsw.edu.au](mailto:sean.kennedy@unsw.edu.au)).