

# NURS 1023 BIOSCIENCE 1

**Credit Points** 10

**Legacy Code** 401469

**Coordinator** Tracy McFadden ([https://directory.westernsydney.edu.au/search/name/Tracy McFadden/](https://directory.westernsydney.edu.au/search/name/Tracy%20McFadden/))

**Description** Bioscience 1 introduces the core concepts and terminology related to the structure, function and homeostasis of the human body. Students begin to describe the relationships between the Australian National Health Priority areas and performances of activities of living and healthy lifestyle practices.

**School** Nursing & Midwifery

**Discipline** General Nursing

**Student Contribution Band** HECS Band 1 10cp

Check your fees via the Fees ([https://www.westernsydney.edu.au/currentstudents/current\\_students/fees/](https://www.westernsydney.edu.au/currentstudents/current_students/fees/)) page.

**Level** Undergraduate Level 1 subject

**Equivalent Subjects** BIOS 1010 - Bioscience 1

## Restrictions

Students must be enrolled in 4691 Bachelor of Nursing, 4780 Bachelor of Nursing - WSU Online or 4684 Bachelor of Midwifery or 4693 Bachelor of Nursing (Advanced). Unitrack students may study this unit as a miscellaneous unit.

## Learning Outcomes

On successful completion of this subject, students should be able to:

1. Define anatomy and physiology of the human body across the lifespan
2. Identify appropriate terminology to biological concepts and mechanisms
3. Describe the physiological healthy body systems and homeostasis
4. Explain the impact of lifestyle practices that improve people's health literacy with relevance to nursing and midwifery practice
5. Analyse biological concepts of health conditions related to Australian National Health Priority areas

## Subject Content

1. Anatomical terminology
2. Body organisation and cavities
3. Cell structure and function
4. Human genomic basics and cell cycle
5. Tissue types (structure, function, and location)
6. Principles of homeostasis
7. For each body system (integumentary, cardiovascular, respiratory, musculoskeletal, digestive, nervous, endocrine, reproductive and urinary) address:
  - a. fundamentals of anatomy and physiology
  - b. changes across the life span
  - c. maintenance of homeostasis and health
  - d. relationship to healthy lifestyle practices
  - e. relationship to National Health Priorities

## Special Requirements

Essential equipment

Access to an internet enabled device is essential in order to be able to: access course materials; to participate in discussion groups; and to access additional resources provided by the lecturer during the session. See [http://www.westernsydney.edu.au/currentstudents/current\\_students/services\\_and\\_facilities/uwsonline\\_student\\_support](http://www.westernsydney.edu.au/currentstudents/current_students/services_and_facilities/uwsonline_student_support) for further information.

## Assessment

The following table summarises the standard assessment tasks for this subject. Please note this is a guide only. Assessment tasks are regularly updated, where there is a difference your Learning Guide takes precedence.

Type	Length	Percent	Threshold	Individual/ Group Task	Mandatory
Quiz	30 minutes	20	N	Individual	Y
Short Answer	1,200 words	40	N	Individual	Y
Final Exam	1 hour	40	N	Individual	Y
Participatio	All teaching weeks	S/U	Y	Individual	Y

## WSU Online

The following table summarises the standard assessment tasks for this subject. Please note this is a guide only. Assessment tasks are regularly updated, where there is a difference your Learning Guide takes precedence.

Type	Length	Percent	Threshold	Individual/ Group Task	Mandatory
Quiz	30 minutes	20	N	Individual	Y
Short Answer	1200 words	40	N	Individual	Y
Final Exam	60 minutes	40	N	Individual	Y
Participatio	All teaching weeks	S/U	Y	Individual	Y

Teaching Periods

## WSU Online TRI-1 (2025)

### Wsu Online

#### Online

**Subject Contact** Tracy McFadden ([https://directory.westernsydney.edu.au/search/name/Tracy McFadden/](https://directory.westernsydney.edu.au/search/name/Tracy%20McFadden/))

View timetable ([https://classregistration.westernsydney.edu.au/odd/timetable/?subject\\_code=NURS1023\\_25-OT1\\_OW\\_2#subjects](https://classregistration.westernsydney.edu.au/odd/timetable/?subject_code=NURS1023_25-OT1_OW_2#subjects))

## Autumn (2025)

### Campbelltown

#### On-site

**Subject Contact** Tracy McFadden ([https://directory.westernsydney.edu.au/search/name/Tracy McFadden/](https://directory.westernsydney.edu.au/search/name/Tracy%20McFadden/))

View timetable ([https://classregistration.westernsydney.edu.au/odd/timetable/?subject\\_code=NURS1023\\_25-AUT\\_CA\\_1#subjects](https://classregistration.westernsydney.edu.au/odd/timetable/?subject_code=NURS1023_25-AUT_CA_1#subjects))

## Hawkesbury

### On-site

**Subject Contact** Tracy McFadden ([https://directory.westernsydney.edu.au/search/name/Tracy McFadden/](https://directory.westernsydney.edu.au/search/name/Tracy%20McFadden/))

View timetable ([https://classregistration.westernsydney.edu.au/odd/timetable/?subject\\_code=NURS1023\\_25-AUT\\_HW\\_1#subjects](https://classregistration.westernsydney.edu.au/odd/timetable/?subject_code=NURS1023_25-AUT_HW_1#subjects))

## Liverpool

### On-site

**Subject Contact** Tracy McFadden ([https://directory.westernsydney.edu.au/search/name/Tracy McFadden/](https://directory.westernsydney.edu.au/search/name/Tracy%20McFadden/))

View timetable ([https://classregistration.westernsydney.edu.au/odd/timetable/?subject\\_code=NURS1023\\_25-AUT\\_LP\\_1#subjects](https://classregistration.westernsydney.edu.au/odd/timetable/?subject_code=NURS1023_25-AUT_LP_1#subjects))

## Parramatta - Victoria Rd

### On-site

**Subject Contact** Tracy McFadden ([https://directory.westernsydney.edu.au/search/name/Tracy McFadden/](https://directory.westernsydney.edu.au/search/name/Tracy%20McFadden/))

View timetable ([https://classregistration.westernsydney.edu.au/odd/timetable/?subject\\_code=NURS1023\\_25-AUT\\_PS\\_1#subjects](https://classregistration.westernsydney.edu.au/odd/timetable/?subject_code=NURS1023_25-AUT_PS_1#subjects))

## WSU Online TRI-2 (2025)

### Wsu Online

#### Online

**Subject Contact** Tracy McFadden ([https://directory.westernsydney.edu.au/search/name/Tracy McFadden/](https://directory.westernsydney.edu.au/search/name/Tracy%20McFadden/))

View timetable ([https://classregistration.westernsydney.edu.au/odd/timetable/?subject\\_code=NURS1023\\_25-OT2\\_OW\\_2#subjects](https://classregistration.westernsydney.edu.au/odd/timetable/?subject_code=NURS1023_25-OT2_OW_2#subjects))

## WSU Online TRI-3 (2025)

### Wsu Online

#### Online

**Subject Contact** Melanie Bingham ([https://directory.westernsydney.edu.au/search/name/Melanie Bingham/](https://directory.westernsydney.edu.au/search/name/Melanie%20Bingham/))

View timetable ([https://classregistration.westernsydney.edu.au/odd/timetable/?subject\\_code=NURS1023\\_25-OT3\\_OW\\_2#subjects](https://classregistration.westernsydney.edu.au/odd/timetable/?subject_code=NURS1023_25-OT3_OW_2#subjects))