



# SPED921

## Orientation and Mobility Fundamentals

S1 External 2018

*Department of Educational Studies*

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## General Information

Unit convenor and teaching staff

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Credit points

4

Prerequisites

Admission to MDisabilityStud

Corequisites

Co-badged status

Unit description

This unit examines the theory and practice of orientation and mobility (O&M) for children and adults who are blind, have low vision, deafblindness or additional disabilities, within a range of learning environments. Unit content includes an introduction to foundational principles of concept development, spatial orientation and environmental analysis, with practical opportunities to teach and learn orientation and mobility concepts and skills.

## Important Academic Dates

Information about important academic dates including deadlines for withdrawing from units are available at <https://www.mq.edu.au/study/calendar-of-dates>

## Learning Outcomes

On successful completion of this unit, you will be able to:

Provide instruction in modes of orientation and mobility that promote independence and

safety

Apply orientation concepts to low vision related materials, including Braille and assistive technology devices and mapping

As a team member, contribute to the adaptation of regular instructional programs to promote O&M knowledge and skills for individuals with vision impairment, including for sport, physical education, daily living, independent travel and practical activities.

Adapt O&M teaching techniques to address the development and learning attributes of individuals with vision impairment across the age spectrum

Provide information on the growth and development patterns related to O&M in children with vision impairment, including the common delays in the development of gross and fine motor skills

## Assessment Tasks

| Name                            | Weighting | Hurdle | Due                      |
|---------------------------------|-----------|--------|--------------------------|
| <u>Tactile mapping project</u>  | 30%       | No     | 04/05/18                 |
| <u>Research paper</u>           | 35%       | No     | 01/06/18                 |
| <u>Practical O&amp;M Skills</u> | 35%       | No     | During campus conference |

### Tactile mapping project

Due: **04/05/18**

Weighting: **30%**

Part A involves creating a tactile map for an individual with vision impairment who is transitioning to a new environment.

Part B involves planning for sessions with the individual, to teach them the skills required to safely and effectively use the tactile map in a chosen environment.

On successful completion you will be able to:

- Provide instruction in modes of orientation and mobility that promote independence and safety
- As a team member, contribute to the adaptation of regular instructional programs to promote O&M knowledge and skills for individuals with vision impairment, including for sport, physical education, daily living, independent travel and practical activities.

### Research paper

Due: **01/06/18**

Weighting: **35%**

This assessment asks you to construct a research paper on an aspect of O&M of your choice with lecturer approval, that holds implications for O&M instructors of individuals with vision impairment.

On successful completion you will be able to:

- Apply orientation concepts to low vision related materials, including Braille and assistive technology devices and mapping
- Adapt O&M teaching techniques to address the development and learning attributes of individuals with vision impairment across the age spectrum

## Practical O&M Skills

Due: **During campus conference**

Weighting: **35%**

Your capabilities in the following areas will be assessed:

1. Demonstration of O&M teaching skills
2. Performance of O&M techniques
3. Class participation and interaction during the campus conference
4. General O&M knowledge

On successful completion you will be able to:

- Provide instruction in modes of orientation and mobility that promote independence and safety
- Apply orientation concepts to low vision related materials, including Braille and assistive technology devices and mapping
- As a team member, contribute to the adaptation of regular instructional programs to promote O&M knowledge and skills for individuals with vision impairment, including for sport, physical education, daily living, independent travel and practical activities.
- Adapt O&M teaching techniques to address the development and learning attributes of individuals with vision impairment across the age spectrum
- Provide information on the growth and development patterns related to O&M in children with vision impairment, including the common delays in the development of gross and fine motor skills

## Delivery and Resources

This unit delivery includes online learning with a campus conference. All learning materials will be available for download in the iLearn site. Students will be required to engage with the iLearn site throughout the session, i.e. prior to, during and following the campus conference. All resources related to Orientation and Mobility practical skills will be provided to students during the campus conference.

## Policies and Procedures

Macquarie University policies and procedures are accessible from [Policy Central \(https://staff.mq.edu.au/work/strategy-planning-and-governance/university-policies-and-procedures/policy-central\)](https://staff.mq.edu.au/work/strategy-planning-and-governance/university-policies-and-procedures/policy-central). Students should be aware of the following policies in particular with regard to Learning and Teaching:

- [Academic Appeals Policy](#)
- [Academic Integrity Policy](#)
- [Academic Progression Policy](#)
- [Assessment Policy](#)
- [Fitness to Practice Procedure](#)
- [Grade Appeal Policy](#)
- [Complaint Management Procedure for Students and Members of the Public](#)
- [Special Consideration Policy](#) (**Note:** *The Special Consideration Policy is effective from 4 December 2017 and replaces the Disruption to Studies Policy.*)

Undergraduate students seeking more policy resources can visit the [Student Policy Gateway \(https://students.mq.edu.au/support/study/student-policy-gateway\)](https://students.mq.edu.au/support/study/student-policy-gateway). It is your one-stop-shop for the key policies you need to know about throughout your undergraduate student journey.

If you would like to see all the policies relevant to Learning and Teaching visit [Policy Central \(https://staff.mq.edu.au/work/strategy-planning-and-governance/university-policies-and-procedures/policy-central\)](https://staff.mq.edu.au/work/strategy-planning-and-governance/university-policies-and-procedures/policy-central).

## Student Code of Conduct

Macquarie University students have a responsibility to be familiar with the Student Code of Conduct: <https://students.mq.edu.au/study/getting-started/student-conduct>

## Results

Results shown in *iLearn*, or released directly by your Unit Convenor, are not confirmed as they are subject to final approval by the University. Once approved, final results will be sent to your student email address and will be made available in [eStudent](#). For more information visit [ask.mq.edu.au](https://ask.mq.edu.au).

## Student Support

Macquarie University provides a range of support services for students. For details, visit <http://students.mq.edu.au/support/>

### Learning Skills

Learning Skills ([mq.edu.au/learningskills](http://mq.edu.au/learningskills)) provides academic writing resources and study strategies to improve your marks and take control of your study.

- [Workshops](#)
- [StudyWise](#)
- [Academic Integrity Module for Students](#)
- [Ask a Learning Adviser](#)

## Student Services and Support

Students with a disability are encouraged to contact the [Disability Service](#) who can provide appropriate help with any issues that arise during their studies.

## Student Enquiries

For all student enquiries, visit Student Connect at [ask.mq.edu.au](http://ask.mq.edu.au)

## IT Help

For help with University computer systems and technology, visit [http://www.mq.edu.au/about\\_us/offices\\_and\\_units/information\\_technology/help/](http://www.mq.edu.au/about_us/offices_and_units/information_technology/help/).

When using the University's IT, you must adhere to the [Acceptable Use of IT Resources Policy](#). The policy applies to all who connect to the MQ network including students.

## Graduate Capabilities

### PG - Capable of Professional and Personal Judgment and Initiative

Our postgraduates will demonstrate a high standard of discernment and common sense in their professional and personal judgment. They will have the ability to make informed choices and decisions that reflect both the nature of their professional work and their personal perspectives.

This graduate capability is supported by:

### Learning outcomes

- Apply orientation concepts to low vision related materials, including Braille and assistive technology devices and mapping
- As a team member, contribute to the adaptation of regular instructional programs to promote O&M knowledge and skills for individuals with vision impairment, including

for sport, physical education, daily living, independent travel and practical activities.

## **Assessment task**

- Research paper

## **PG - Discipline Knowledge and Skills**

Our postgraduates will be able to demonstrate a significantly enhanced depth and breadth of knowledge, scholarly understanding, and specific subject content knowledge in their chosen fields.

This graduate capability is supported by:

## **Learning outcomes**

- Apply orientation concepts to low vision related materials, including Braille and assistive technology devices and mapping
- Adapt O&M teaching techniques to address the development and learning attributes of individuals with vision impairment across the age spectrum
- Provide information on the growth and development patterns related to O&M in children with vision impairment, including the common delays in the development of gross and fine motor skills

## **Assessment tasks**

- Tactile mapping project
- Practical O&M Skills

## **PG - Critical, Analytical and Integrative Thinking**

Our postgraduates will be capable of utilising and reflecting on prior knowledge and experience, of applying higher level critical thinking skills, and of integrating and synthesising learning and knowledge from a range of sources and environments. A characteristic of this form of thinking is the generation of new, professionally oriented knowledge through personal or group-based critique of practice and theory.

This graduate capability is supported by:

## **Learning outcomes**

- Provide instruction in modes of orientation and mobility that promote independence and safety
- Adapt O&M teaching techniques to address the development and learning attributes of individuals with vision impairment across the age spectrum
- Provide information on the growth and development patterns related to O&M in children with vision impairment, including the common delays in the development of

gross and fine motor skills

## Assessment tasks

- Tactile mapping project
- Research paper
- Practical O&M Skills

## PG - Research and Problem Solving Capability

Our postgraduates will be capable of systematic enquiry; able to use research skills to create new knowledge that can be applied to real world issues, or contribute to a field of study or practice to enhance society. They will be capable of creative questioning, problem finding and problem solving.

This graduate capability is supported by:

### Learning outcome

- As a team member, contribute to the adaptation of regular instructional programs to promote O&M knowledge and skills for individuals with vision impairment, including for sport, physical education, daily living, independent travel and practical activities.

## Assessment tasks

- Research paper
- Practical O&M Skills

## PG - Effective Communication

Our postgraduates will be able to communicate effectively and convey their views to different social, cultural, and professional audiences. They will be able to use a variety of technologically supported media to communicate with empathy using a range of written, spoken or visual formats.

This graduate capability is supported by:

### Learning outcomes

- Provide instruction in modes of orientation and mobility that promote independence and safety
- As a team member, contribute to the adaptation of regular instructional programs to promote O&M knowledge and skills for individuals with vision impairment, including for sport, physical education, daily living, independent travel and practical activities.
- Adapt O&M teaching techniques to address the development and learning attributes of individuals with vision impairment across the age spectrum



## Assessment tasks

- Tactile mapping project
- Practical O&M Skills

## PG - Engaged and Responsible, Active and Ethical Citizens

Our postgraduates will be ethically aware and capable of confident transformative action in relation to their professional responsibilities and the wider community. They will have a sense of connectedness with others and country and have a sense of mutual obligation. They will be able to appreciate the impact of their professional roles for social justice and inclusion related to national and global issues

This graduate capability is supported by:

### Assessment task

- Practical O&M Skills

## Changes since First Published

| Date       | Description   |
|------------|---|
| 07/01/2018 | Changes made to the Delivery and Resources section. |