

The aim of this module is to introduce the student to the concept of maternal and infant care. The specific goals of this module are to equip the student with the skills and knowledge necessary to effectively care for a woman and her baby from the pre conceptual period across the continuum to the postpartum period. This module will focus on the anatomy & physiology concerning the female reproductive tract, embryology, care and management in the first, second and third stage of normal labour and Postpartum mood disorders. Physiological adaptation of the newborn is also explored along with the care of the baby during and after birth inclusive of infant feeding. This module is also designed to assist the student to identify and manage obstetric emergencies.

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<div style="text-align:center;"><p><strong><em>Curricular information is subject to change</em></strong></p></div>

## What will I learn?

<span class="subHeadCB">Learning Outcomes:</span>

<p>On completion the candidate will be able to:

- \* Describe the anatomy and physiology related to the female reproductive system.
- \* Discuss pre-conceptual care
- \* List the signs & symptoms of pregnancy.
- \* Recognise and manage maternal antenatal complications.
- \* Discuss the care and management of a woman in the first, second and third stage of labour.
- \* Describe the care of the woman and her infant in the postpartum period.
- \* Assess, plan and implement care of the newborn or sick baby.
- \* Describe effective teaching of infant feeding methods.
- \* Identify deviation from the normal in childbirth and take appropriate and corrective actions that may include referral and the need to escalate care.

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<span class="subHeadCB">Indicative Module Content:</span>

<p>Unit One

Overview of Module

Terms & Abbreviations used in Midwifery & Obstetric Practice

History & philosophy of Midwifery

Definition & Role of the Midwife/Obstetric Nurse

Unit Two

The Female Reproductive System

The Menstrual Cycle & menstrual disorders

Embryology & the Fetal- Placental Unit

Contraception & STDS

Unit Three

Pre-conceptual care - (Nutrition, Exercise)

Signs & Symptoms of Pregnancy

Diagnosis of pregnancy & calculating the EDD

Physiological changes in pregnancy & hyperemesis

Antenatal care, assessment, screening

Prenatal testing: Rh incompatibility, Amniocentesis, CVS, ultrasound, Biophysical profile

Abdominal palpation/ Leopold s Manoeuvre

Antenatal Abdominal Palpation (Skills)

- Auscultation using a Pinard Stethoscope
- Auscultation using a Doptone
- Application of Cardiotocograph (CTG)/ Nonstress test

First Stage of Labour

Normal Labour

Pain Management: non pharmacological and pharmacological

Second stage of labour- Fetal assessment

Normal Labour

- Electronic fetal heart rate monitoring & interpretation

- Intermittent Auscultation

Third Stage of labour

Normal Labour

Assessment of the perineum post delivery

Examining the placenta and membranes, Estimation of blood loss

Postpartum haemorrhage

Postnatal examination (skills)

Perinatal loss

Physiology, care and management of the puerperium

Unit Four

Examination of the newborn including (Apgars, height, weight, head circ & length)

Vital signs of the newborn (Heart rate, temp, O2 Sat, resp)

Biological adaptations: initiation of respirations, thermoregulation, cardiovascular changes, elimination, nutrition, hypoglycaemia, jaundice, & newborn screening

Infant feeding: Breastfeeding & Formula feeding

Positioning, attachment and lactogenesis

Preterm infant: Respiratory distress syndrome, Necrotizing enter colitis

Large for gestational age

Small for gestational age

Threats to maternal newborn outcomes, TORCH screen

Unit Five

Preterm labour, IUGR, Chromosomal abnormalities

Postpartum mood disorders

Perinatal loss

Ectopic pregnancy, Tubal pregnancy, Infertility

Bleeding in pregnancy, Miscarriage, incompetent cervix

APH- placenta previa

APH- placental abruption

Induction of Labour

Addictions, HIV, Gestational diabetes

Pre-eclampsia & Hypertension in pregnancy

Preterm labour and premature rupture of membranes

Cord prolapse & Caesarean section

Menopause, Osteoporosis

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## How will I learn?

<span class="subHeadCB">Student Effort Hours:</span>

Student Effort Type	Hours
Lectures	37
Total	37

## Am I eligible to take this module?

<div class="subHeadCB">Requirements, Exclusions and Recommendations</div>

<strong>Learning Requirements:</strong>

<p>Students considering taking this module as an elective should be in at least Stage 3 of a Nursing, Medicine or Science related subject. Please contact the module co-ordinator for further information</p>

<div class="subHeadCB">Module Requisites and Incompatibles</div>

Not applicable to this module.

## How will I be assessed?

<span class="subHeadCB">Assessment Strategy</span>

Description	Timing	Open Book Exam	Component Scale	Must Pass Component	% of Final Grade
Project: A 4 Poster with audio Topic selection provided Review of the literature 500 words Submission via Brightspace	Coursework (End of Trimester)	n/a	Graded	No	100

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<div class="col-sm-6"><span class="subHeadCB">Carry forward of passed components </span>

No</div>

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## What happens if I fail?

Remediation Type	Remediation Timing
Repeat	Within Two Trimesters

## Assessment feedback

<div class="subHeadCB">Feedback Strategy/Strategies</div>

<p>\* Online automated feedback

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<div class="subHeadCB">How will my Feedback be Delivered?</div>

<p>The final exam consists of 70 multiple choice questions. Students are prepared for multiple choice style questions regularly during the module.</p>

## Reading List

### Reading List

Allstaff, S., Wilson, J. (2012) The management of sexually transmitted infections in pregnancy. The Obstetrician & Gynaecologist 14 (1), 25-32.

NMBI (2015) Recording Clinical Practice: Guidance to Nurses and Midwives. Dublin: NMBI.

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Fealy, G.M. (ed) (2005) Care to Remember: Nursing & Midwifery in Ireland. Cork: Mercier Press.

Fraser, D.M. and Cooper, M. (2012) Survival Guide to Midwifery. 2nd edition, Elsevier: Churchill Livingstone

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<http://www.hse.ie/eng/about/Who/clinical/natclinprog/paediatricsandneonatology/resources/TermInfantwithNeonatalJaundiceonthePostnatalWard.pdf>

HSE/Safe Food (2009) How to Prepare Your Baby's Bottle Feed.  
<http://www.safefood.eu/SafeFood/media/SafeFoodLibrary/Documents/Publications/Consumer/PIF-leaflet.pdf>

HSE (2015) Caring for Your Baby- Birth to 6 months. Available at: <http://www.hse.ie/eng/services/publications/Children/cfyb0-6.pdf>

HSE (2015) Breastfeeding- A Good Start in Life. An information leaflet on breastfeeding your baby. Available at: <https://www.healthpromotion.ie/hp-files/docs/HPM00367.pdf>

HSE (2016) A Practical Guide to Newborn Bloodspot Screening in Ireland- 6th edition. Available at: <http://www.hse.ie/eng/health/child/newbornscreening/newbornbloodspotscreening/PracticalGuide.pdf>

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Johnson R. Taylor W. (2016) Skills for Midwifery Practice, 4th Edition, Elsevier, London (2010 3rd edition available as e-book in UCD library)

Johnson & Taylor (2016) Assessment of the baby: assessment at birth- Chapter 37. In: Skills for Midwifery Practice 4th edn. Pgs. 292-299.

Lomax, A. (2016) Examination of the Newborn, An Evidence-Based Guide, 2nd ed. Wiley Blackwell

Lumsden, H. and Holmes, D. (2010) Care of Newborn by Ten Teachers. Holder Arnold.

Marshall, J. and Raynor, M (2014) Myles Textbook for Midwives. Sixteenth edition. London: Churchill Livingstone.

Mavrides E, Allard S, Chandraharan E, Collins P, Green L, Hunt BJ, Riris S, Thomson, A.J. on behalf of the Royal College of Obstetricians and Gynaecologists. Prevention and management of postpartum haemorrhage. BJOG 2016;124:e106 e149.

Medforth, J., Ball, L. (2017) Oxford Handbook of Midwifery. Oxford: Oxford University Press. Edinburgh:Elsevier.

Montgomery A., Hannon G., Muhammad, S., Das, S., Hayes, K. (2017) Tubal ectopic pregnancies: Risk, diagnosis and management. British Journal of Midwifery. 25 (11) pp 700-705.

McDonald, S. & Johnson, G. (2017) Mayes Midwifery: A Textbook for Midwives. (15th edition). London: Elsevier.

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Nursing and Midwifery Board of Ireland (2014) Code of Professional Conduct and Ethics for Registered Nurses and Midwives. Dublin: Nursing and Midwifery Board of Ireland

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Nursing and Midwifery Board of Ireland (2015) Scope of Nursing and Midwifery Practice Framework. Nursing and Midwifery Board of Ireland, Dublin.

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Pollard, M. (2018) Evidence-based care for Breastfeeding Mothers: A resource for Midwives and Allied Health Professionals. 2nd edition. London: Routledge

Rankin, J. (2017) Physiology in Childbearing: With Anatomy and Related Biosciences. Balliere-Tindall.

Raynor, M. Catling, C. (2017) Myles Survival Guide to Midwifery. Edinburgh: Elsevier

## Associated Staff

Name	Role
Dr Lorraine Carroll	Lecturer / Co-Lecturer
Dr Aoife Claire MacCormac	Lecturer / Co-Lecturer

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<div class="pageBreak"><nav class="white-box no-left-arrow zero-top-margin">
<h1 class="printOnly"> UCD Course Search
Maternal and Foetal wellbeing (NMHS32340) </h1><h3 class="printOnly">Academic Year 2019/2020</h3><p class="printOnly"><em>The
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<h4 class="noPrint">Maternal and Foetal wellbeing (NMHS32340)</h4>
<dl>
<dt>Subject:</dt>
<dd>Nursing,Midwifery & Health Sys</dd>
<dt>College:</dt>
<dd>Health & Agricultural Sciences</dd>
<dt>School:</dt>
<dd>Nursing,Midwifery & Health Sys</dd>
<dt>Level:</dt>
<dd>3 (Degree)</dd>
<dt>Credits:</dt>
<dd>5.0</dd>

<dt>Trimester:</dt>
<dd>Autumn and Spring (separate)</dd>
<dt>Module Coordinator:</dt>
<dd>Mrs Denise Mc Guinness</dd>
<dt>Mode of Delivery:</dt>
<dd>Face-to-Face</dd>
<dt>Internship Module:</dt><dd>No</dd>

<dt>How will I be graded?</dt>
<dd>Letter grades </dd>

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