

New suggested programme aims:

1. Develop interest in and knowledge and understanding of theoretical, practical and clinical aspects of Reproduction and Development
2. Develop academic, practical and research skills that can be applied professionally

New suggested programme ILOs:

Intended learning outcome (ILO)	Taught by
Knowledge and understanding	
1) Discuss biological aspects of reproduction and development throughout the life-course, from gametogenesis to menopause	RED01_1, RED01_2, RED01_3; RED02_1, RED02_2; RED03_1, RED03_2; RED07_1, RED07_2
2) Evaluate and perform laboratory techniques used to investigate biological aspects of reproduction and development	RED02_3; RED05_4; RED06_2
3) Discuss health issues relevant to reproduction and development, including pregnancy complications, congenital anomalies, menstrual dysfunction, infertility and the developmental origins of health and disease	RED01_4; RED03_3; RED05_2; RED07_1, RED07_2
4) Compare, evaluate and select appropriate clinical management strategies for health issues relevant to reproduction and development	RED03_3; RED05_1, RED05_3, RED05_4, RED05_5; RED06_1
5) Compare and appraise research study designs and accurately interpret analyses to draw sensible conclusions	RED04_1, RED04_2, RED04_3, RED07_1, RED07_2, RED07_3
Intellectual skills and attributes	
1) Identify and critically appraise scientific literature relevant to reproduction and development	All units
2) Design, conduct and present research relevant to reproduction and development, including performing common and specific lab techniques, and choosing appropriate methods to summarise and interpret data	All units
3) Synthesise arguments and narratives and communicate these clearly and effectively in written and oral form	All units
Other skills and attributes	
1) Work independently and collaboratively, demonstrating organisation, decision-making, problem-solving, team-working and time-management skills	All units
2) Use computer resources including web-based libraries, search engines, common computer applications, email and discussion forums	All units

Current unit ILOs:

RED01_1	Critically discuss the role of the endocrine system in reproduction with particular reference to the hypothalamic-pituitary gonadal axis.
RED01_2	Describe the anatomy and physiology of key organs in the male and female reproductive tract.
RED01_3	Outline the development and anatomy of the breast and describe its functional role in producing breast milk during maternal lactation.
RED01_4	Describe a number of endocrine-related pathological conditions and explain how these may cause reproductive dysfunction.
RED01_5	Develop and utilise practical strategies to enhance their learning and academic literacy.
RED02_1	Discuss the origin of gametes and the processes involved in gametogenesis in both the male and female.
RED02_2	Describe the processes of fertilisation and implantation.
RED02_3	Explain routine laboratory techniques used to investigate gametogenesis and early embryo development
RED03_1	Describe normal human embryology, development and growth.
RED03_2	Identify factors that influence normal human development and growth.
RED03_3	Recognise routine clinical techniques for the measurement of fetal growth and identifications of common malformations.
RED04_1	Demonstrate the ability to design simple experiments to answer scientific or clinical problems.
RED04_2	Interpret and present results in an appropriate manner.
RED04_3	Critically evaluate published literature.
RED05_1	Describe the investigation pathways of couples suffering from infertility.
RED05_2	Identify the common pathologies associated with infertility like anovulation, endometriosis, tubal problems, unexplained and male infertility.
RED05_3	Recognise the contribution of related disciplines such as cytogenetics, ultrasound and counselling in infertility.
RED05_4	Evaluate the routine laboratory techniques and clinical procedures used to investigate cases of infertility.
RED05_5	Formulate a treatment pathway including the investigations and likely management in a case of infertility.
RED06_1	Outline the basis of investigation and treatment of infertility and be able to describe the process of diagnosis and management of the infertile couple.
RED06_2	Describe and evaluate the routine laboratory techniques in assisted reproductive technologies applicable to reproduction and development.
RED07_1	Undertake a literature search in their field of study.
RED07_2	Design a research project.
RED07_3	Analyse and present findings.
RED07_4	Design a scientific poster.
RED07_5	Defend work during oral examination.