

SIT740.1: Research and Development in Information Technology

IN THIS COURSE STUDENTS WILL:

- describe a range of R&D methodologies and processes
- understand how these processes can be applied to solve problems.

WEEK 1: IT RESEARCH AND DEVELOPMENT PROCESSES AND METHODOLOGY

WEEK 2: IT RESEARCH AND DEVELOPMENT PROCESSES AND METHODOLOGY



Getty Images

Introducing IT R&D

Discover the what, why and how of IT R&D.



Getty Images

Reviewing research communications

Review research communications to help you understand the state-of-the-art in your field. Examine the common forms of research communication, and how can you undertake a literature review.



Getty Images

The Design Science Research Methodology

Create a proof-of-concept, from idea to implementation.



Getty Images

Reading research critically

Critically read research to refine your own ideas. Read papers, online material and patents strategically and synthesise the relevant concepts.



Getty Images

Research applications

Investigate the applications of research by looking at case studies.



Getty Images

Writing a research proposal

Apply the Design Science Research Methodology to research planning, by writing a research proposal.



Getty Images

Wrap up

Reflect and integrate your learning of the course and get ready for your tasks with OnTrack.