

BACCALAUREUS TECHNOLOGIAE: PROJECT MANAGEMENT

Qualification code: BTPJ00 - NQF Level 7

Campus where offered: Pretoria Campus (evening or block-mode classes)
Last year of new intake: 2019
Teach-out (phase-out) date: 31 December 2021

Students registered for this qualification should complete their studies according to the teach-out date prescribed for the qualification, subject to the stipulations of Regulation 3.1.11 and 3.1.13 in the Students' Rules and Regulations.

Information on phased-out programmes can be obtained from the TUT website, www.tut.ac.za.

CURRICULUM

Consult the 2019 Faculty Prospectus for the full contents of the qualification.

OPTION 1: EVENING CLASSES

ATTENDANCE

CODE	SUBJECT	CREDIT
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FIRST SEMESTER

ENT401B	Entrepreneurship IV	(0,100)
PJP40AT	Project Management Process IVA	(0,125)
PJR401T	Project Research IV	(0,100)
PRR401T	Project Resources IV	(0,125)

TOTAL CREDITS FOR THE SEMESTER: 0,450

SECOND SEMESTER

ORS411T	Operational Research IV	(0,100)
PJP40BT	Project Management Process IVB	(0,125)
PJU401T	Project Accounting IV	(0,100)
PJQ401T	Project Quality IV	(0,100)
STI401T	Strategic Management IV	(0,125)

TOTAL CREDITS FOR THE SEMESTER: 0,550

TOTAL CREDITS FOR OPTION 1: **1,000**

OPTION 2: BLOCK-MODE CLASSES

FIRST YEAR

CODE	SUBJECT	CREDIT
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FIRST SEMESTER

ENT401B	Entrepreneurship IV	(0,100)
PJP40AT	Project Management Process IVA	(0,125)
PRR401T	Project Resources IV	(0,125)

TOTAL CREDITS FOR THE SEMESTER: 0,350

SECOND SEMESTER

PJP40BT	Project Management Process IVB	(0,125)
PJQ401T	Project Quality IV	(0,100)



PJU401T	Project Accounting IV	(0,100)
TOTAL CREDITS FOR THE SEMESTER:		0,325

SECOND YEAR

CODE	SUBJECT	CREDIT
FIRST SEMESTER		
ORS411T	Operational Research IV	(0,100)
PJR401T	Project Research IV	(0,100)
STI401T	Strategic Management IV	(0,125)
TOTAL CREDITS FOR THE SEMESTER:		0,325
TOTAL CREDITS FOR OPTION 2:		1,000

SUBJECT INFORMATION (OVERVIEW OF SYLLABUS)

The syllabus content is subject to change to accommodate industry changes. Please note that a more detailed syllabus is available at the Department or in the study guide that is applicable to a particular subject. On 18 October 2019, the syllabus content was defined as follows:

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ENTREPRENEURSHIP IV (ENT401B) 1 X 3-HOUR PAPER

(Subject custodian: Department of Management and Entrepreneurship)

Introduction to strategic management. Strategic management model for a business. Situational analysis of a business. Strategy formulation, implementation and control. Continuous improvement approaches. Case studies and projects. Entrepreneurship: principles, innovation, creativity, opportunities, entrepreneurial options, sources of support. (Total tuition time: ± 40 hours)

O

OPERATIONAL RESEARCH IV (ORS411T) 1 X 3-HOUR PAPER (OPEN BOOK)

(Subject custodian: Department of Operations Management)

Risk and decision analysis. Network analysis (PERT and CPM). Fundamentals of decision theory. Decision trees and utility theory. Normal distribution. Sensitivity analysis. Monte Carlo simulation. Value of information. Modelling techniques. Probability distribution types. Judgement and biases. (Total tuition time: ± 45 hours)

P

PROJECT ACCOUNTING IV (PJU401T) 1 X 3-HOUR PAPER

(Subject custodian: Department of Operations Management)

Project management and accounting, finance strategy and strategic project management, accounting, finance and project management, cost estimating and budgeting, project financing, project revenue and cash flows, risk assessment, earned value analysis. (Total tuition time: ± 45 hours)

PROJECT MANAGEMENT PROCESS IVA (PJP40AT) 1 X 3-HOUR PAPER

(Subject custodian: Department of Operations Management)

Concepts and theory of project management. Project initiations. Project planning. Project control. Project execution. Project termination. Project reporting. Project prioritisation. Stakeholder management. (Total tuition time: ± 32 hours)



PROJECT MANAGEMENT PROCESS IVB (PJP40BT)**1 X 3-HOUR PAPER*****(Subject custodian: Department of Operations Management)***

Advanced topics in project management, including critical chain, project management offices, project management maturity and stakeholder mapping. (Total tuition time: ± 32 hours)

PROJECT QUALITY IV (PJQ401T)**1 X 3-HOUR PAPER*****(Subject custodian: Department of Operations Management)***

Concepts of quality. ISO 9000 series. Development of standards. Establishment of norms. Quality control. Project quality audits. Risk management. (Total tuition time: ± 32 hours)

PROJECT RESEARCH IV (PJR401T)**1 X 3-HOUR PAPER*****(Subject custodian: Department of Operations Management)***

Problem identification. Choice and use of measuring instruments. Literature study. Delphi technique. Focus groups. Analysis and interpretation of data. Drawing up a project report. Case studies and projects. (Total tuition time: ± 32 hours)

PROJECT RESOURCES IV (PRR401T)**1 X 3-HOUR PAPER*****(Subject custodian: Department of Operations Management)***

Legislation applicable to project management (labour and contracts). Personnel profiles. Personnel appraisals. Conflict resolution. Negotiation skills. Project procurement. Resource optimisation. Socio-economic responsibility of the business or project. (Total tuition time: ± 32 hours)

S**STRATEGIC MANAGEMENT IV (STI401T)****1 X 4-HOUR PAPER (OPEN BOOK)*****(Subject custodian: Department of Management and Entrepreneurship)***

Introduction to the strategic management process: an overview. Vision and mission statement. Exploring the environment. The strategic plan. Implementing and evaluating strategy. The business plan. Case studies and projects. (Total tuition time: ± 40 hours)

