



No.	TITLE OF SHORT COURSE	DATE	COURSE FEE PER PERSON
1	Pipeline System Design, Control Valves Selection, Storage Tank Sizing & Pump Selection (Instructor Dr. Jack Khallahle MIEAust)	12/06/26 – 16/06/26	K3500.0
	Course Content: <ul style="list-style-type: none"> ▪ Review of Principle of Fluid Flow ▪ Pipe Flow ▪ Pipe Sizing & Pressure Drop Calculations ▪ Pumps & Pump Selection Criteria ▪ Net Positive Suction Head Available (NPSHA) ▪ Power Requirement ▪ Control Valves & Instruments ▪ Storage Tanks ▪ Standards Specification – Water and Fuel Supply Lines 		
2	Engineering Economics Studies on Small to Large Energy Generation Schemes (Instructor Dr. Jack Khallahle MIEAust)	17/06/26 – 19/06/26	K3500.0
	Course Content: <ul style="list-style-type: none"> ▪ Introduction to Economic & Financial Analysis ▪ Technical Feasibility Verses Financial Viability ▪ Economic Verses Financial Analysis ▪ The Subject of Financial Analysis – Input Data and Cash Flows ▪ Methods of Financial Analysis <ul style="list-style-type: none"> - Static Methods - Dynamic Methods ▪ Methods of Economic Analysis <ul style="list-style-type: none"> - Cost/Benefit analysis - Life Cycle cost analysis ▪ Sensitivity Analysis Applied to Financial Analysis ▪ A Review on Comprehensive Case Studies ▪ Investment Decisions on the Basis of Financial Analysis ▪ Definition of Terms used in Financial & Economic Analysis 		
3	Development of Project Execution Plan including Subsidiary Plans for Capital Projects in Minerals & Metal (Instructor Dr. Jack Khallahle MIEAust)	20/06/26 – 24/06/26	K3500.0
	Course Content: <ul style="list-style-type: none"> ➤ Project Management or Execution Plan (Minerals & Metals) ➤ Development of Subsidiary Plans: <ul style="list-style-type: none"> – Design Management Plan – Construction Management Plan – Environmental Management Plan – Contractor Management Plan – Project Control Plan – Procurement Management Plan – Industrial Management Plan – Safety Management Plan – A Review on Comprehensive Case Study on Mineral Sand Separation Plant Project (Broken Hill, NSW, Australia) 		

4	Detail Cost Estimation Methodology for Capital Investment Projects (Instructor Dr. Jack B Khallahle MIEAust)	25/06/26 – 27/06/26	K3500.0
	Course Content: ➤ Detail Cost Estimating Methodology; <ul style="list-style-type: none"> ▪ Why Cost Estimating? ▪ Methodology for Cost Estimating ▪ Cost Estimating Step by Step ▪ Establishment of Bill of Quantities /Cost Estimate ▪ Examples Calculation using Excel Base program 		

PRE-REGISTRATION FORM
SHORT COURSES – 2026/2026
SCHOOL OF MECHANICAL ENGINEERING

Name: _____ Address: _____
Designation: _____ Telephone: _____ Email: _____

The courses are numbered from 1 to 4. In the table below please indicate your choice(s) by circling the number that corresponds to your choice of course, e.g. a circle around 2 for Engineering Economics or 1 and 2 for Pipeline System Design and Engineering Economics etc.

Course No.	1	2	3	4															
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1. Interested participants are requested to deposit fee into this Account: Bank: ANZ, Branch: Lae, Account Name: Unitech Trust Funds, Account#: 11188172. Please fax/email this form with the deposit slip of the payment as soon as possible (at least one week) before the starting date of the choice course.
2. Participants are requested to be present at the department at 8:00 A.M on the First day of the choice course for registration.
3. Please take note that each short course requires a minimum of five (5) participants to run the course, otherwise, the School reserves the right to cancel the course without notice.

For further information, please contact:

Short Course coordinator
School of Mechanical Engineering
PNG University of Technology, PMB, LAE
Morobe Province, Papua New Guinea
Telephone: 473 4856/4877 or Xcess Phone: 77104620
Email: enquiries@mech.unitech.ac.pg
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