

Unit Outline (Higher Education)

Institute / School: Institute of Innovation, Science & Sustainability

Unit Title: MAINTENANCE MANAGEMENT

Unit ID: MREGC5002

Credit Points: 15.00

Prerequisite(s): Nil

Co-requisite(s): Nil

Exclusion(s): Nil

ASCED: 039999

Description of the Unit:

This unit introduces the fundamentals of maintenance management. It covers introduction to computerised maintenance management system (CMMS), maintenance planning, scheduling and control, roles and responsibilities of the work management process, implementation of maintenance planning systems, objectives of the maintenance department, types of failures and maintenance strategies. It also encompasses organisational structures of a maintenance department, job descriptions and role accountabilities and documentation requirements for CMMS systems depending on size and type of organisation. This is an important foundational unit for students interested in practicing good asset management and maintenance management.

Grade Scheme: Graded (HD, D, C, P, MF, F, XF)

Work Experience:

No work experience: Student is not undertaking work experience in industry.

Placement Component: No

Supplementary Assessment: Yes

Where supplementary assessment is available a student must have failed overall in the Unit but gained a final mark of 45 per cent or above, has completed all major assessment tasks (including all sub-components where a task has multiple parts) as specified in the Unit Description and is not eligible for any other form of

supplementary assessment

Learning Outcomes:

On successful completion of the unit the students are expected to be able to:

Knowledge:

- K1.** Define Maintenance Management Systems and Processes and the application used to manage the asset throughout the life cycle.
- K2.** Distinguish the roles and responsibilities within the Asset Management department and their accountabilities of the Maintenance Management processes.
- K3.** Appraise and determine correct application of maintenance strategy selection methodologies.

Skills:

- S1.** Evaluate a CMMS/EAM application and appraise process application
- S2.** Analyse the results of work management processes and identify improvement opportunities.
- S3.** Prepare recommendations for introduction or change of new processes/systems

Application of knowledge and skills:

- A1.** Differentiate the elements of a maintenance management system and the maintenance management planning processes with alignment to the maintenance organisational roles.
- A2.** Develop recommendations for change or improvements of the maintenance systems and application
- A3.** Articulate the linkage and benefits between occupational health and safety and the maintenance management systems.

Unit Content:

This unit covers maintenance planning, objectives of the maintenance department and introduces computerised maintenance management system (CMMS).

Topics may include:

- Introduction to Maintenance Management.
- Maintenance Planning.
- Computerised Maintenance Management Systems.
- The Maintenance Organisation.
- Occupational Health and Safety in Maintenance Work.
- Planning for the future in maintenance management.

Learning Task and Assessment:

This 15 CP online unit at postgraduate level requires a minimum time commitment of 150 hours of study. Assessments need to be submitted online in assessment submission area allocated for each assessment.

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Adopted Reference Style:

Refer to the [library website](#) for more information

Fed Cite - [referencing tool](#)