Seoul National University of
Science & Technology
232 Gongneung-ro,Nowon-gu,
Seoul 01811 Korea

MSDE Module Descriptor

Module Title	**Module Code**	**Semester (Sem 1 / Sem 2)**
Professional Communications for Engineers 1	MSDE 290	Sem 1
Credits 10	**Level** 4	**Professor and email** Anthony Johnson a.d.johnson@seoultech.ac.kr
Delivery Method Lecture / Project	**Delivery Location** SeoulTech, Mugung Hall	

Pre-requisite

Pass English Language test (writing and Speaking/listening) at level 3 with a minimum of 40% (Grade D)

Module Synopsis

This module introduces students to the principles of effective English communications for Oral presentations and report writing. It also provides them with effective study skills for learning in English.

The teaching strategy is based mainly around team activities in the classroom, with small group discussions on communication strategies followed by a presentation of ideas to the class and debate.

Assessment is through written projects and presentations given as both group and individual tasks.

Written feedback is given on written work and both written and verbal feedback is given on presentations by the module tutor and through peer review.

Outline Syllabus

Communication Skills

Introduction to, definition of and importance of various communication techniques.

Oral Presentation

Structuring presentations, confident speaking, body language, practicing, use of Visual Aids, Poster presentations

Written Communications

Technical reports, lab reports, emails etc., formal structure, content

Listening Skills

Active listening, understanding the audience and/or the client

English Skills

Language, grammar and usage

Indicative Reading

1) Hirsch, H. L., (2002) Essential Communication Strategies For Scientists, Engineers and Technology Professionals", 2nd Ed., Pub. Wiley Interscience, ISBN 0-471-27317-1.
2) Pears, R. (2005) Cite them right: the essential guide to referencing and plagiarism. Pear Tree Books.
3) Sustainability in Engineering Design: Johnson and Gibson: 2014

NOTIONAL STUDENT WORKLOAD (Hours)	Hours
MODE OF DELIVERY (FT / PT / DL	FT
Lectures	30
Seminars	
Tutorials	15
Laboratories/studios/practical	15
Directed learning	10
Independent Learning	20
Work experience/fieldwork	
Other: eg formal presentation	10
Total Workload 100 hours for a 10 credit module 200 hours for a 20 credit module	100

Module Learning Outcomes	
KU 3,4	Identify and utilise basic methodologies to create solutions to specific engineering problems. Define and investigate simple problems and familiar constraints that occur in engineering design with the aid of basic tools.
IPSA 2,3	Communicate established engineering concepts to expert and non-expert audiences using standard formats and media. Recognise health and safety, sustainability and environmental issues in the engineering sector.
PVA 1,3	Describe standard solutions to benefit society by applying sound engineering practise with an awareness of ethical considerations. Able to evaluate how sustainable engineering techniques may be applied to engineering systems and products

Assessments	Assessment Type	Weighting %	Mid-Term/interim/final
Coursework	Resume	25%	Mid term
Project	Final group Report/ Presentation	50%	Final
Quiz			
Test			
Laboratory			
Exam			
Presentation	Individual Presentation	25%	Mid