



<b>Module Title</b>	<b>Module Code</b>	<b>Semester (Sem 1 / Sem 2)</b>
Professional Communications for Engineers 2	MSDE 291	Sem 2
<b>Credits</b>	<b>Level</b>	<b>Professor and email</b>
10	4	Anthony Johnson a.d.johnson@seoultech.ac.kr
<b>Delivery Method</b>	<b>Delivery Location</b>	
Lecture / Project	SeoulTech, Mugung Hall	
<p><b>Module Synopsis</b></p> <p>This module is designed to develop those skills identified by employers as being necessary for effective communication and performance at work. It will help you plan your career, make successful job applications and enhance your interpersonal skills.</p> <p>This module is also designed to develop the study skills for the IELTS test. Assessment is made through several presentations and reports performed as both group and individual activities designed as a semester long project.</p>		
<p><b>Outline Syllabus</b></p> <p><b>Effective group work</b> The processes of group dynamics and their application in the working environment e.g. project planning.</p> <p><b>Formal meetings</b> Preparation, paperwork, procedures and participation, the specific role of the chairperson will be considered here. Contexts include negotiations and progress review of projects.</p> <p><b>Career planning and development</b> Action planning to meet short term and long term objectives. Also the use of job descriptions and person specifications in the selection process. Resume writing, job shops and web recruitment plus professional media such as LinkedIn. Links to engineering institutions (Institution of Mechanical Engineers and American Society of Mechanical Engineers) and codes of practice</p> <p><b>Professional presentations</b> Planning, including audience needs analysis, preparation and performance e.g. presentation for clients. Poster presentations</p> <p><b>Preparing for IELTS tests</b> Listening and speaking comprehension, Structure and written expression, and Reading comprehension.</p>		



### Indicative Reading

- 1) Alley, M., (2002) The craft of Scientific Presentations, Pub. Springer, ISBN 0-387-95555-0.
- 2) Hirsch, H. L., (2002) Essential Communication Strategies For Scientists, Engineers and Technology Professionals”, 2<sup>nd</sup> Ed., Pub. Wiley Interscience, ISBN 0-471-27317-1.
- 3) Sustainability in Engineering Design by Johnson and Gibson: publisher Elsevier 2014

NOTIONAL STUDENT WORKLOAD (Hours)	Hours
MODE OF DELIVERY (FT / PT / DL)	FT
Lectures	30
Seminars	20
Tutorials	
Laboratories/studios/practical	25
Directed learning	25
Independent Learning	
Work experience/fieldwork	
Other: eg formal presentation	
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 1,2	Describe standard solutions to benefit society by applying sound engineering practise with an awareness of ethical considerations. Demonstrate creativity in discussing solutions to standard problems.



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## MSDE Module Descriptor

<b>Assessments</b>	<b>Assessment Type</b>	<b>Weighting %</b>	<b>Mid-Term/interim/final</b>
Coursework			
Project	Final group Portfolio	50%	Final
Quiz			
Test			
Laboratory			
Exam	IELTS Preparation	30%	
Presentation	Individual Presentation	20%	Mid term