EVALUATION FORM FOR INTERNAL EXAMINATION - PROJECT (E) 448

Candidate's initials, surname and SU#	
Project title	

Examiner's name (print)	**Examiner's signature**	**Supervisor/internal (indicate)**
		[ ] Supervisor [ ] Internal examiner

Comments / Opmerkings: _____

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(Each examiner completes independently an evaluation from. Both forms plus the Convener form are handed to the Module Coordinator.)

Preliminary Mark

Are the ELOs satisfied at the level expected of a recent BEng graduate?

Exit Level Outcome (ELO)	**Assessment Items**	***Tick (✓) either Yes or No for each ELO***	
		Yes	**No**
1. Problem Solving (identify, assess, formulate and solve convergent and divergent engineering problems).	• Identify problem + solution criteria; • Identify engineering info required for solution; • Formulate solution approaches; • Model/ analyze solutions; • Evaluate solutions; • Formulate / present the solution.	**[ ]**	**[ ]**
2. Application of Scientific and Engineering Knowledge	• Use Engineering knowledge and methods o Formal analysis and modeling; o Communicate concepts, ideas and theories; o Reasoning and conceptualizing using components; o Dealing with uncertainty. • Use Physical laws as foundation o Formal analysis and modeling; o Reasoning and conceptualizing using physical principles. • Use techniques, principles and laws of engineering	**[ ]**	**[ ]**

	science o Identify and solve open-ended engineering problems; o Work across engineering disciplinary boundaries (shared fundamental knowledge).		
3. Engineering Design (procedural and non-procedural design and synthesis of components, works, products and processes)	• Identify/formulate problem to satisfy user needs, applicable standards, code of practice and legislation; • Plans and manages the design process; • Acquires and evaluates requisite knowledge; • Performs design tasks, quantitative modeling and optimization; • Evaluate alternatives (judgment, implement ability and techno economic analysis); • Assesses impact and benefits; • Communicates design logic and information.	**[ ]**	**[ ]**
4. Investigations, experiments and data analysis (design and conduct investigations and experiments)	• Plan and conduct investigations/ data analysis; • Conducts critical literature search; • Performs analysis; • Select and use equipment/ software; • Analysis/ interprets information from data; • Draws conclusion (evidence); • Communicates purpose, process and outcomes in report.	**[ ]**	**[ ]**
5. Engineering Methods, Skills and Tools, including Information Technology (methods, skills and tools, including those based on information technology)	• Uses method, skill and tools by: o Selecting/ assessing the applicability/ limitations of the methods, skills and tools; o Properly applying the method, skill or tool; o Critically testing and assessing the results produced. • Creates computer applications	**[ ]**	**[ ]**
6. Professional and Technical Communication (effective oral and written communication)	• Written communication: o Uses appropriate structure, style and language for purpose/ audience; o Uses effective graphical support; o Applies engineering methods of providing information; o Meets the requirements of the intended audience. • Oral communication: o Uses appropriate structure, style and language; o Uses appropriate visual materials; o Delivers fluently; o Meets the requirements of the intended audience.	**[ ]**	**[ ]**
9. Independent learning ability (independent learning through well-developed learning skills)	• Reflects on own learning and determines requirements and strategies; • Sources and evaluates information; • Assesses comprehends and applies knowledge acquired outside formal instruction; • Critically challenges assumptions and embraces new thinking.	**[ ]**	**[ ]**