

Role	Lecturer
Organisation	Nautical College
Module	ETO - Switchgear and Protection of High Voltage System
Your Feedback - Outcome 1	In light of the injuries and incidents that have taken place, it would be useful to also include and briefly discuss the topics of High voltage safety, Definitions of what constitutes High Voltage on board ships, and Arc Safety.
SG 1.2 Response	Many thanks for your feedback. Please be advised that, as part of the project, we have identified areas of synergy between the ETO and Engineering syllabus, as such this will now be covered in the "Safety Engineering" module.
Your Feedback - Outcome 2	It would be useful to include information on where on board these are used - especially bridge, deck gear (cranes), deck machinery (winches) and of course, Engine room, as relevant .
SG 1.2 Response	Many thanks for your feedback, we are in agreement and have amended as suggested.
Your Feedback - Outcome 3	Agree with the inputs. Additionally, exposure should be given to the use of laptops when troubleshooting crane problems, as many of the new design deck cranes require dedicated laptops to be used for local troubleshooting.
SG 1.2 Response	Many thanks for your feedback, we are in agreement and have added this as outcome 3.7.
Your Feedback - Outcome 4	Agree with the input suggestions.
SG 1.2 Response	Many thanks for your feedback
Your Feedback - Outcomes Above and Beyond	Agree. The learning objectives may need modifying to fit into Bloom's taxonomy - especially the action verbs for GLOs and SLOs (Describe, explain, demonstrate, etc.)
SG 1.2 Response	Many thanks for your feedback, we are in agreement and are reviewing the action verbs as we convert the modules to academic guidance documents.
Your Proposed Outcome	Please do add the comments and suggestions made on previous pages. Please do modify the learning objectives (outcomes) to match Bloom's taxonomy action verbs (Describe, explain, list, define, demonstrate, etc.), especially in the GLOs and SLOs. Thank you for your good work.
Your Rationale for this outcome	This helps teachers decide the number of hours and amount of detail to go into when teaching. It coincides with the manner in which all IMO model courses are written.
Your Action for this outcome	As described above and in individual pages
SG 1.2 Response	Many thanks for your feedback.

No feedback requiring a response was received for the module Marine Engineering - Strength of Materials (Management Level).

Role	Associate Lecturer	ETO Cadet
Organisation	Nautical College	N/A
Module	ETO - Marine Navigation Systems	ETO - Marine Navigation Systems
Your Feedback - Outcome 1	I believe that there needs to be a retention of the calculations required. This helps in understanding the correlation between the various factors.	#N/A
SG 1.2 Response	Many thanks for your feedback, it has been noted. We are in agreement that calculations should still be taught. However, a greater emphasis should be placed on understanding the principles as this is more relevant to onboard practice for fault finding and troubleshooting.	#N/A
Your Feedback - Outcome 2	#N/A	#N/A
SG 1.2 Response	#N/A	#N/A
Your Feedback - Outcome 3	#N/A	#N/A
SG 1.2 Response	#N/A	#N/A
Your Feedback - Outcome 4	#N/A	#N/A
SG 1.2 Response	#N/A	#N/A
Your Feedback - Outcome 5	#N/A	#N/A
SG 1.2 Response	#N/A	#N/A
Your Feedback - Outcomes Above and Beyond	#N/A	#N/A
SG 1.2 Response	#N/A	#N/A
Your Proposed Outcome	There is a growing use of navigation 'apps', principally used in the leisure sector. The pros and cons should be included	For context I have not taken this module yet as I am only in phase 3 of my studies. I did however want to suggest the need for a regular periodic review of all modules with the ability to update them dynamically when required. This seemed particularly relevant to this module given the number of reference to future technology and additional sub-outcomes added along with a few obsolete sub-outcomes being removed.
Your Rationale for this outcome	A rapidly increasing method of navigation.	This is to prevent a recurrence of what this review is trying to address. Current sub-outcomes becoming obsolete but still taught and future technologies not getting taught once they become common and their understanding necessary to the ETO role.
Your Action for this outcome	Inclusion in the syllabus for understanding	Has this already been considered? If not then it should be mandated that a review of all modules should be carried out at a set interval (every three years for example) and a procedure put in place that enables the modules to be updated as necessary.

SG 1.2 Response	<p>Many thanks for your feedback, it has been noted.</p> <p>While we acknowledge that these technologies are becoming more prevalent within the leisure sector, any technology used within the merchant sector would be required to be fully approved and would be covered in this module.</p>	<p>Many thanks for your feedback, it has been noted.</p> <p>We in agreement with your suggestion and ongoing review mechanism will be put in place as part of the Cadet Training & Modernisation Programme.</p>
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Role	Lecturer
Organisation	Nautical College
Module	Marine Engineering - Applied Mechanics (Management Level)
Your Feedback - Outcome 1	It would be useful to make it a requirement to add context here - namely How are these concepts applied in today's main engines.
SG 1.2 Response	Many thanks for your feedback, we are in agreement and have amended this outcome as you have suggested.
Your Feedback - Outcome 2	No comments
SG 1.2 Response	Many thanks for your feedback.
Your Feedback - Outcome 3	For 3.3 and 3.4, suggest add correlation to the main engine and auxillary engine. This would be the best place to spark the student's curiosity regarding MC and ME engines, and electronic cam shaft control.
SG 1.2 Response	Many thanks for your feedback, we are in agreement and have amended this outcome as you have suggested.
Your Feedback - Outcome 4	In marine engineering, due to the highly vocational nature of the profession, a greater amount of time should be devoted to practical workshop related activities, and lesser time to solving numericals that the student will not encounter at sea.
SG 1.2 Response	Many thanks for your feedback, we are in agreement. While these calculations will still need to be covered, we have added that they should also be put into practical context of how they apply on board.
Your Feedback - Outcomes Above and Beyond	Agree - (a) MAIB and similar reports should be included to illustrate these points (b) Every syllabus document should explain the practical impact of the data science verbs used - especially as guidance for the teachers - to ensure uniform application across UK universities. This should also be reflected in the questions asked in the SQA written exams, and in the MCA oral exams.
SG 1.2 Response	Many thanks for your feedback, it has been noted and we are in agreement, these will be implemented as appropriate.
Your Proposed Outcome	1) Suggest inclusion of MAIB reports to illustrate the human element aspects 2) Suggest inclusion of COSWP - especially those elements that are relevant to the rank 3) Suggest a greater focus on practical workshop activities (60% of the time) as compared to theoretical numerical problem solving 4) Suggest add a section on alternative fuels and autonomous ships (MASS)
Your Rationale for this outcome	To enable better understanding, to give context to the learning, and due to the highly vocational nature of the profession. This also reflects comments from ship owners and employers, who often comment on the lack of practical skills of cadets and officers. Alternative fuels and MASS - To keep the students well informed of new technologies.
Your Action for this outcome	Inclusion in the syllabus, GLOs and SLOs of these topics at the policy stage.

SG 1.2 Response	<p>Many thanks for your feedback, it has been noted.</p> <p>Please note that MAIB reports, COSWP and practical activities will be included through the recommendation to contextualise the outcomes of this module.</p> <p>Alternative fuels and MASS have been covered in other modules, where it has been deemed more relevant.</p>
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No feedback requiring a response was received for the module ETO - Radio Communications.

Role	Marine Surveyor
Organisation	Classification Society
Module	Marine Engineering - Mechanics (Management Level)
Your Feedback - Outcome 1	#N/A
SG 1.2 Response	#N/A
Your Feedback - Outcome 2	#N/A
SG 1.2 Response	#N/A
Your Feedback - Outcome 3	#N/A
SG 1.2 Response	#N/A
Your Feedback - Outcome 4	#N/A
SG 1.2 Response	#N/A
Your Feedback - Outcomes Above and Beyond	#N/A
SG 1.2 Response	#N/A
Your Proposed Outcome	<p>A comment rather than a suggestion that requires any work - with Mechanics there are a vast amount of topics that are covered, all of which have a good level of importance.</p> <p>For teaching more time may be needed for mechanics compared to other subjects.</p>
Your Rationale for this outcome	#N/A
Your Action for this outcome	#N/A
SG 1.2 Response	Many thanks for your feedback, it has been noted.

Role	Marine Surveyor
Organisation	Classification Society
Module	Engineering - Workshop Skills
Your Feedback - Outcome 1	#N/A
SG 1.2 Response	#N/A
Your Feedback - Outcome 2	#N/A
SG 1.2 Response	#N/A
Your Feedback - Outcome 3	#N/A
SG 1.2 Response	#N/A
Your Feedback - Outcome 4	I would keep milling as part of the syllabus for good exposure to technique. I have sailed on vessels recently with milling machines.
SG 1.2 Response	Many thanks for your feedback, it has been noted. While we appreciate that some vessels may still continue to carry milling machines on board. The feedback from the working group was that it is not commonly found on board and even less commonly used.
Your Feedback - Outcome 5	#N/A
SG 1.2 Response	#N/A
Your Feedback - Outcome 6	#N/A
SG 1.2 Response	#N/A
Your Feedback - Outcome 7	#N/A
SG 1.2 Response	#N/A
Your Feedback - Outcome 8	#N/A
SG 1.2 Response	#N/A
Your Feedback - Outcome 9	#N/A
SG 1.2 Response	#N/A
Your Feedback - Outcomes Above and Beyond	#N/A
SG 1.2 Response	#N/A
Your Proposed Outcome	#N/A
Your Rationale for this outcome	#N/A
Your Action for this outcome	#N/A
SG 1.2 Response	#N/A

Role	Cadet
Organisation	N/A
Module	ETO Workshop Skills
Your Feedback - Outcome 1	#N/A
Your Feedback - Outcome 2	#N/A
Your Feedback - Outcome 3	#N/A
Your Feedback - Outcome 4	#N/A
Your Feedback - Outcome 5	#N/A
Your Feedback - Outcome 6	#N/A
Your Feedback - Outcome 7	#N/A
Your Feedback - Outcome 8	#N/A
Your Feedback - Outcome 9	#N/A
Your Feedback - Outcome 10	#N/A
Your Feedback - Outcome 11	#N/A
Your Feedback - Outcome 12	#N/A
Your Feedback - Outcome 13	#N/A
Your Feedback - Outcome 14	#N/A
Your Feedback - Outcome 15	#N/A
Your Feedback - Outcome 16	#N/A
Your Feedback - Outcome 17	#N/A
Your Feedback - Outcome 18	#N/A
Your Feedback - Outcome 19	#N/A
Your Feedback - Outcome 20	#N/A
Your Feedback - Outcome 21	#N/A
Your Feedback - Outcome 22	#N/A
Your Feedback - Outcome 23	#N/A

Your Feedback - Outcome 24	#N/A
Your Feedback - Outcomes Above and Beyond	#N/A
SG 1.2 Response	#N/A
Your Proposed Outcome	<ol style="list-style-type: none"> 1. An obligation on colleges to provide as near to fully operation equipment and systems on which to carry out workshop on. 2. A shared database between all colleges of videos demonstrating the application of workshop skills on working vessels.
Your Rational for this outcome	<ol style="list-style-type: none"> 1. Workshop practical tasks are carried out at my college using sub standard tools on old, outdated and sometimes non-functioning equipment that does not represent the systems as they would be on a ship. Mark Dickinson, Nuatilus general secretary and a member of the cadet modernisation board, has proposed cadet training ships. A far more cost effective solution would be to ensure every college has the funding available and a requirement to provide the same systems in the workshop. 2. I am a third phase cadet who did not get sea time in my second phase due to Covid. One of the best resources I have found for contextualising what I am learning at sea is a YouTube channel by a Maersk ETO officer carrying out tasks on his ship - https://www.youtube.com/@leckyjake/featured. If this type of material could be made available to colleges it would be invaluable.
Your Action for this outcome	<ol style="list-style-type: none"> 1. Mandate minimum quality standards for workshops so they resemble ships working systems. Ensure colleges meet these standards and review funding to ensure they have the resources to provide this. 2. A speculative proposal to highlight an area I think could improve the contextualisation outcome which is to be included on every module. How this can be achieved I don't know but possibly something that members of bodies such as The Nautical Institute, IMarEST and HCCM could help develop.
SG 1.2 Response	<p>Many thanks for your feedback, it has been noted.</p> <p>With regards to your first point please be advised that there are already standards in place for the equipment required for workshop skills, which is audited by the MCA. However, in the future, we will also be introducing a Cadet feedback survey to gather information, such as this, that will help inform the audits.</p> <p>With regards to the shared database suggestions, this is not within the scope of our current project but we can look to raise this to the International Association of Maritime Institutions (IAMI) as they would be best placed for a piece of work such as this.</p>