

## REVISED COURSE CONTENT

<b>Academic Year</b>	AY2021/22	<b>Semester</b>	2
<b>Course Coordinator</b>	Capt Tan Kim Hock		
<b>Course Code</b>	MT3010		
<b>Course Title</b>	Professional Attachment 2		
<b>Study Year (if applicable)</b>	3		
<b>Pre-requisites</b>	Year 3 Standing		
<b>No of AUs</b>	5		
<b>Contact Hours</b>	11 weeks of training at the attachment organisation		
<b>Proposal Date</b>	January 2022		

### Course Aims

This 11-week Professional Attachment programme is offered to students reading BSc (Maritime Studies) as part of the programme requirements for BSc (Maritime Studies) Work Study Degree Programme.

The purpose of this Professional Attachment is to enable the application of knowledge and skills you have learnt in a real-life work environment. This is such that you can gain relevant exposures and develop practical industry experiences, acquiring skills that will facilitate your career decision and future transition into your selected specialisation. It aims for you to develop professional competencies that will enhance your employability and lifelong learning capabilities to support your career and life endeavours and your readiness for the future of work.

### Intended Learning Outcomes (ILO)

At the end of the Professional Attachment, you should be able to progressively learn:

#### I. Cognitive

1. Apply knowledge and skills relevantly and appropriately in the workplace.
2. Identify competency gaps at the attachment workplace.
3. Evaluate and develop personal learning and development pathways towards bridging competency gaps identified in point (2) above.
4. Develop and apply strategies to solve problems effectively that involves critical thinking and creativity, generating questions, resourcing, application, and reiteration).
5. Evaluate resources and develop insights to make informed judgements and recommendations

#### II. Context

6. Discuss the internship organisation's nature and context of business.
7. Reflect on an organisational culture at the internship organisation
8. Appraise the significance and impact of the project/work/assignment as undertaken at the internship organisation.
  9. Describe the career pathways within the internship organisation and broader industry.
10. Reflect on personal and professional development needs within the attachment organisation as well as the broader industry and set strategic goals for advancing along an intended career path.
11. Apply time and task management strategies effectively.

#### III. Relationship

12. Apply effective written and oral communication skills in professional settings when communicating and connecting with relevant stakeholders.
13. Assimilate into the work environment (people, team, hierarchy) and function effectively.

#### IV. Affective/Moral

14. Tolerate ambiguity and handle anxiety
15. Contribute proactively to the internship organisation.
16. Demonstrate responsibility, integrity and professionalism in fulfilment of all workplace and internship requirements

17. Demonstrate the persistence to learn, overcome and improve.

## V. Technical

18. Use tools that enable and facilitate effective project/work/assignment in workplace

19. Apply project management skills in the realm of maritime related projects.

## Course Content

This internship programme, being a work-integrated education course, has its educational content embedded within the work environment and assignments that students will undertake at each internship organisation. For this reason, the internship job scope will be evaluated by the assigned NTU Faculty Supervisor and the Organisation Supervisor of the internship organisation using the following criteria:

1. It is relevant to the student's discipline of study.
2. It provides the required attachment duration.
3. It accommodates NTU's attachment periods.
4. It provides sufficient structure and rigour that will enable students to achieve the intended learning outcomes as listed above.
5. It provides the appropriate workload for the stipulated internship period;
6. It enhances the career prospects of the student.
7. The internship workplace is safe and conducive for student learning and development.
8. The internship workplace is equipped with the necessary resources for the attachment work.
9. The internship organisation has standing policies to safeguard the welfare of students.
10. The internship organisation supervisor possesses the competencies, experience, and the commitment to provide guidance to the students.
11. The internship organisation will use NTU's internship assessment scheme for students.

## Assessment

This is a Pass/Fail course with the final outcome determined collectively by your NTU Faculty Supervisor and your Organisation Supervisor.

The assessments will be based on the intended learning outcomes (ILO) as mentioned above and you should familiarize yourself with them as they will be your focus throughout the internship.

Your Organisation Supervisor will assess your performance at the internship workplace through an evaluation form "Assessment of Work in the Organisation" (AWO). He/She will complete this evaluation at the end of your internship.

Your Faculty Supervisor will facilitate and assess your learning, development, and growth throughout the E-journal submissions. The E-Journals are where you will reflect on your experience, learning, growth and achievement of the relevant ILOs. Keep the ILOs in mind throughout your experience and undertake or seek challenges in the workplace that will provide you with opportunities to generate experience and evidence regarding your competencies.

You should maintain a personal journal to log, weekly, your tasks/assignments, skills used/learned, challenges met, solutions derived, networking, as well as other useful notes throughout your internship. Your weekly entry should be between 200 – 500 words. You are to work out a Gantt chart on your internship task/work scope with your supervisors by the end of week 2 and track your progress.

Component	Course LO Tested	Related Programme LO or Graduate Attributes	Weightage	Team/ Individual	Assessment Rubrics
Assessment of Work in the	1, 4, 5,	A,B,C,D,E	50	Individual	See Annex 1

Organisation (AWO) This component evaluates your performance at the workplace.	11, 12, 13, 14, 15, 16, 17, 18				Assessed by Organisation Supervisor.
E-Journal 1	1,2, 3, 4, 5, 6, 7, 8, 9, 10	A,B,C,D,E,	10	Individual	See Annex 2 Assessed by NTU Faculty Supervisor.
E-Journal 2	1,2, 3, 4, 5, 6, 7, 8, 9, 10	A,B,C,D,E	10	Individual	See Annex 2 Assessed by NTU Faculty Supervisor.
Final E-Journal	1,2, 3, 4, 5, 6, 7, 8, 9, 10	A,B,C,D,E,F	30	Individual	See Annex 3 Assessed by NTU Faculty Supervisor.
Total			100%		

### Maritime Studies Program Learning Outcome

#### A. Related knowledge to maritime :

Develop an overall awareness to technology applications in maritime activities and shipping industry. Develop the fundamentals to apply knowledge into practical applications in managing sub-fields in related environments. To understand the significance of new technologies as big game changers in the maritime industry and their related impacts and potentials

#### B. Problem Analysis :

Conceptualise , evaluate and resolve operational issues in maritime industry. Approach and resolve basic maritime problems, though both strategic and research methods. Develop a good insight into technologies' ability to transform the ways in which future shipping companies operate.

#### C. Design/development of Solutions:

Design , develop and execution of maritime projects. Develop shipping related risk management strategies. Demonstrate ability to capture and analyse technological breakthroughs in the Maritime arena. Able to address ongoing management challenges and improve efficiencies in processes.

#### D. Environment and Sustainability:

Understand and appreciate how technologies will drive , and the need for sustainable development in line with UN2030 SDGs. Conduct and organize maritime activities with due regards to public health and safety, cultural, societal, and environmental considerations.

Understand the implications of disruptive technologies and the ways to mitigate and achieve sustainability.

#### E. Teamwork and Communications :

Integrate all related skills and knowledge into the industry and exercise due diligence as a highly responsible professional , contributing and leading towards nation and society. Recognise the importance of a strong and just leadership to uphold highest standards of integrity as a professional individual. Communicate effectively and able to comprehend , write and present effective management Reports.

#### F. Life-long Learning :

Appreciates the related technologies life-long learning along with evolutions of new business model innovation through the entire value chain of shipping on top of an advance maritime technology platform.

### **Formative feedback**

Continuous feedback on progress and performance can be expected from student's internship organisation supervisor.

Student's Faculty Supervisor will also provide feedback through the student's internship E-Journal submissions and/or site visits.

### **Learning and Teaching approach**

An internship is an experiential learning programme done in a professional setting. Students will be placed in an organisation for the entire internship period and will undertake work assignments and/or projects in the organisation. It is through such work in the real-world environment where students learn and develop the competencies and experiences relevant to the intended learning outcomes of this course.

Each student will be supervised by

- (1) an Organisation Supervisor at the internship organisation, and
- (2) a Faculty Supervisor in NTU.

The Organisation Supervisor will be the key person working with and interacting with the student on a day-to-day basis. The Organisation Supervisor will be one providing guidance and feedback to the student on a regular basis.

The Faculty Supervisor from NTU will serve to facilitate student's learning and progress through interactions via E-journal submissions, email, phone, and/or visits. The Faculty Supervisor will also be each student's first point of contact for any matters arising from the internship. Student can also contact the respective internship Programme Manager at NTU's Career and Attachment Office as an alternative.

### **Reading and References**

#### **NTU Student Internship Handbook**

Please refer to the respective Professional Internship/Attachment Teamsites via NTU Studentlink for the Internship Handbook.

#### **NTU Work-Integrated Education Blog - WIE ARISE**

<https://blogs.ntu.edu.sg/wie-arise/>

#### **Harvard Business Review: 6 Ways to Make the Most of Your Internship**

<http://bit.ly/2J81BU2/>

#### **Huffington Post: 21 Ways to Make the Most of Your Internship**

<http://bit.ly/2kK6Fz5/>

#### **Vault: How to Successfully Manage your Assignments:**

<http://bit.ly/2LNfrIX/>

### **Course Policies and Student Responsibilities**

Please refer to the respective Professional Internship/Attachment Teamsites via NTU Studentlink for detailed Internship Policy and Procedures.

Further information can be obtained from NTU's Career and Attachment Office (CAO) via [cao\\_internship@ntu.edu.sg](mailto:cao_internship@ntu.edu.sg).

### **Professional and Academic Integrity**

An internship concerns work in a professional setting. As with good academic work, good professional work depends on honesty and ethical behavior. The quality of your work as a student relies on adhering to the principles of professional and academic integrity and to the NTU Honor Code, a set of values shared by the whole university community. Truth, Trust and Justice are at the core of NTU's shared values. Refer to this link for details: <http://www.ntu.edu.sg/ai/Pages/shared-values-honour-code.aspx>

As a student, it is important that you recognize your responsibilities in understanding and applying the principles of integrity in all the work you do as a student of NTU. Not knowing what is involved in maintaining integrity does not excuse professional and academic dishonesty. You need to actively equip yourself with strategies to avoid all forms of professional and academic dishonesty, including and not limited to, plagiarism, fraud, collusion and cheating. If you are uncertain of the definitions of any of these terms, you should go to the academic integrity website for more information. Consult your NTU Tutor if you need any clarification about the requirements of professional and academic integrity in the course.

#### **Course Instructors**

Your Faculty Supervisor or the period of your attachment will be allocated to you after the placement process is completed.

This internship course is managed and administered by your school's attachment course coordinator as well as NTU's Career & Attachment Office.

#### **Planned Weekly Schedule**

Your attachment work schedule will follow that provided by your Attachment Organisation.

## Annex 1: Assessment Rubrics for Assessment of Work in the Organisation (AWO)

Criteria for the assessment of student performance in the internship organisation by the organisation supervisor:

ILOs	Focus	Criteria
1	Knowledge and Skills	Able to apply knowledge and skills (whether prior or newly learned) appropriately in the workplace and/or projects/tasks.
4	Problem-solving	Able to solve problems systematically and effectively.
5	Resourcefulness	Able to source for relevant information to make informed judgement, decisions and/or recommendations.
11	Time and Task Management	Able to plan, organise, manage and complete assignments effectively and in a timely manner.
12	Written and Oral Communication	Able to communicate effectively and appropriately in writing and verbally.
13	Team Work	Able to function effectively with other colleagues/stakeholders in the work environment.
14	Adaptability	Able to function effectively under ambiguity and/or change.
15	Initiative	Able to remain consistently pro-active towards contributing to the work and/or organisation.
16	Responsibility	Consistently demonstrates commitment, responsibility, integrity, professionalism and ethical behaviour at the workplace.
17	Persistence to Learn and Improve	Consistently demonstrates persistence and grit to overcome challenges, to learn and improve continuously at the workplace.
18	Fluency with Tools	Able to use tools, whether software or hardware tools, (and learn new ones where necessary) proficiently to accomplish tasks and assignments.

## Annex 2: Assessment Rubrics for E-Journal 1 and E-Journal 2

You are required to submit a total of two E-journals and one Final E-Journal documenting and reflecting on your internship experience in relation to the relevant intended learning outcomes of this course for each work term under the NTU Work Study Degree Programme

E-Journal 1 and E-Journal 2 will be assessed in Week 3 and 6 (for 10/11 weeks internships) or Week 6 and 12 (for semester-long internships) respectively during the internship. These are purposed to be formative assessments where you will receive feedback on your progress.

For each of these E-journal submissions, you are to choose 3 ILOs from the list provided and present evidences and reflections on each one.

- Evidences can be provided in the form of text descriptions, photographs, or drawings (ensure you seek clearance from your internship organisation should sensitive information be involved).
- Reflect critically on the evidences and the experience producing them, relating them to how they demonstrated your achievement of the specific ILO (or how they helped you to do so): Particularly but should not be limited to - what were the tasks (or observations) and their contexts, actions taken (or lessons drawn) by you and their reasons, and results achieved? What did you learn (e.g. information, knowledge, skills)? Evaluate your own capabilities and attitude where appropriate.
- E-Journal 2 should focus on 3 other ILOs not already covered in E-Journal 1.
- If you wish to provide further evidences and reflections on ILOs which you have covered in an earlier e-journal submission, you are encouraged to do so. Such new evidence(s) and reflection(s) should demonstrate your development and growth.

### Criteria for E-Journal 1 and E-Journal 2 (10% each)

Focus	Criteria
Achievement of ILO	Conclusive achievement of ILO. Able to be give critical and thoughtful reflection on the experience of achieving the ILO with sufficient supporting evidence. Clear and concise articulation of thoughts.

### Annex 3: Assessment Rubrics for Final E-Journal

Your Final E-Journal submission will be assessed towards the end of your internship (i.e. Week 10 for 10/11 week-long internships; Week 20 for 20 week-long internship)

For this final submission, your focus is to cover the remaining 4 ILOs and present evidences and reflections on them. In addition, an overall reflection on your internship experience as a whole is expected:

- Evidences can be in the form of text descriptions, photographs, or drawings (ensure you seek clearance from your internship organisation should sensitive information be involved).
- Reflect critically on the evidences and the experience producing them, relating them to how they demonstrated your achievement of each ILO (or how they helped you to do so): Particularly but should not be limited to - what were the tasks (or observations) and their contexts, actions taken (or lessons drawn) by you and their reasons, and results achieved? How are the achievements validated (by supervisor, colleagues, stakeholders, etc.)? What did you learn (e.g. knowledge, skills)? How will you do things differently and better?
- If you wish to provide further evidences and reflections on ILOs which you have covered in E-Journal 1 and E-Journal 2, you are encouraged to do so. Such new evidence(s) and reflection(s) should demonstrate your development and growth.
- Your overall internship reflection will include but not limited to: Your overall experience in the internship, what are your strengths and weaknesses? Did the experience affirm or revealed them? How will you build up your strengths and reduce your weaknesses? How do you now view this industry and this sort of work? What alternatives will you consider? Knowing what you now know, what are your tentative career plans after graduation? What will you do from this point onwards to put those plans in act?

#### Criteria for Final E-Journal submission (30%):

Achievement of ILO	Conclusive achievement of ILO. Able to be give critical and thoughtful reflection on the experience of achieving the ILO with sufficient supporting evidence. Clear and concise articulation of thoughts
Overall Internship Reflection	Clear and critical reflection on the internship experience as a whole.



#### Annex 4: Assessment Rubrics for Final E-Journal (For PA Winter only)

Your Final E-Journal submission will be assessed at the end of your 5-week internship.

For this submission, your focus is for all the ILOs and present evidences and reflections on them. In addition, an overall reflection on your internship experience as a whole is expected:

- Evidences can be in the form of text descriptions, photographs, or drawings (ensure you seek clearance from your internship organisation should sensitive information be involved).
- Reflect critically on the evidences and the experience producing them, relating them to how they demonstrated your achievement of each ILO (or how they helped you to do so): Particularly but should not be limited to - what were the tasks (or observations) and their contexts, actions taken (or lessons drawn) by you and their reasons, and results achieved? How are the achievements validated (by supervisor, colleagues, stakeholders, etc.)? What did you learn (e.g. knowledge, skills)? How will you do things differently and better?
- Your overall internship reflection will include but not limited to: Your overall experience in the internship, what are your strengths and weaknesses? Did the experience affirm or revealed them? How will you build up your strengths and reduce your weaknesses? How do you now view this industry and this sort of work? What alternatives will you consider? Knowing what you now know, what are your tentative career plans after graduation? What will you do from this point onwards to put those plans in act?

#### Criteria for Final E-Journal submission (50%):

Achievement of ILO	Conclusive achievement of ILO. Able to be give critical and thoughtful reflection on the experience of achieving the ILO with sufficient supporting evidence. Clear and concise articulation of thoughts
Overall Internship Reflection	Clear and critical reflection on the internship experience as a whole.

## Summary of Timeline for E-Journal Submissions

Internship	E-Journal 1	E-Journal 1	Final E-Journal
PI	Week 6	Week 12	Week 20
PA	Week 3	Week 6	Week 10
PA (Winter) (For WSDeg students only)	N.A.		Week 5

### E-journal rubrics:



E-journal Guide.docx



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OBTL%20Assessment