

113 學年度第二學期「海下科技研討(二、四)」課程大綱

時間: 星期五 14:10~16:00

地點: 海事所演講廳 MA2032 ; ※ 視訊會議連結: <https://meet.google.com/ssf-cmvq-woe>

週別	日期	演講人	單位	專題演講題目/活動	接待/場務	
1	2/21	授課教師	中山大學 海下科技研究所	課程說明與 TED Talks		
2	2/28	二二八和平紀念日放假				
3	3/7					
4	3/14					
5	3/21					
6	3/28					
7	4/4	兒童節放假				
8	4/11	碩二/博班 (1)	中山大學 海下科技研究所	論文進度報告		
9	4/18	碩二/博班 (2)	中山大學 海下科技研究所	論文進度報告		
10	4/25	碩二/博班 (3)	中山大學 海下科技研究所	論文進度報告		
11	5/2	碩一 (1)	中山大學 海下科技研究所	學術期刊論文報告		
12	5/9	第 26 屆海洋與水下技術研討會 (日期未定、地點未定但可能在淡江大學)				
13	5/16	碩一 (2)	中山大學 海下科技研究所	學術期刊論文報告		
14	5/23	碩二、博班	中山大學 海下科技研究所	主題式英文口頭報告		
15	5/30	端午節補假				
16	6/6	碩一	中山大學 海下科技研究所	主題式英文口頭報告		
17	6/13	彈性學習週 (本週無活動)				
18	6/20	彈性學習週 (本週無活動)				

研究生報告分組順序

碩二/博班報告分組順序				碩一報告分組順序			
組別	姓名			組別	姓名		
(1)	劉楚桓	杜伊凡	林晉德	(1)	楊承穆	陳胤齊	王若庭 吳孟修
(2)	湯詠任	李牧恩	彭易清	(2)	黃馨	李育承	謝鎮鴻
(3)	何芸慧	蔡明廷	王啟存	(3)			

英文口頭報告主題: (1) 海洋噪音; (2) 海洋載具; (3) 海洋能源; (4) 極地研究; (5) 水下防衛

說明事項

一、評分標準

1. 問題發問：30%

外賓演講：每次發問給基本分 5 分，問題內涵 5 分。

碩一、二報告：每次發問給基本分 2 分，問題內涵 3 分。

提問的同學必須將問題與討論答案寫在半張 A4 紙上，於當天下課親自交給授課老師，以利登記成績。

2. 論文口頭報告：40%

3. TED Talks 心得書面報告：10% (兩週內繳交)

4. 英文口頭報告：20%

二、碩二論文進度口頭報告*

1. 報告內容以研究動機、研究目的、文獻回顧、研究方法、初步結果、討論與結論為主，並可自行依情況調整。

2. 報告時間控制在 20 分鐘。

三、碩一學術期刊論文口頭報告*

1. 就海下科技相關領域研究主題，研讀 **Sea Technology** 期刊論文一篇，進行口頭報告。可彙整其他英文學術期刊(如 Ocean Engineering、IEEE Journal of Oceanic Engineering、Journal of the Acoustical Society of America 等)論文相關內容進行報告。

2. 報告時間控制在 12 分鐘。

四、英文口頭報告

1. 從規定的主題中挑選其中一個，以英文進行介紹。

2. 報告時間 5-10 分鐘。

五、上課紀律

1. 班代每節課務必點名，將缺席名單於下課後交給授課老師。學期總成績將依缺席次數扣分。

2. 尊重演講的外賓，上課務必準時就座，上課期間禁止交頭接耳，手機關機或調整為震動模式。

*由於外邀講員之演講時間尚未完全確定，因此修課同學的報告時間可能會有更動，若有更動會另行公佈及通知。

TED Talks:

(1) Tammy Ma: The secret force for limitless energy? Lasers

https://www.ted.com/talks/tammy_ma_the_secret_force_for_limitless_energy_lasers

(2) Kate Stafford: How climate change is altering the underwater soundscape

<https://www.youtube.com/watch?v=3UFGqjWcVU8>

「海下科技研討」 Oral Presentation Rubrics

	4—Excellent	3—Good	2—Fair	1—Needs Improvement	Total
Elocution/ Eye Contact	<ul style="list-style-type: none"> • Holds attention of entire audience with the use of direct eye contact, seldom looking at notes • Speaks with fluctuation in volume and inflection to maintain audience interest and emphasize key points 	<ul style="list-style-type: none"> • Consistent use of direct eye contact with audience, but still returns to notes • Speaks with satisfactory variation of volume and inflection 	<ul style="list-style-type: none"> • Displays minimal eye contact with audience, while reading mostly from the notes • Speaks in uneven volume with little or no inflection 	<ul style="list-style-type: none"> • Holds no eye contact with audience, as entire report is read from notes • Speaks in low volume and/or monotonous tone, which causes audience to disengage 	
Organization	<ul style="list-style-type: none"> • Provides clear purpose and subject; pertinent examples, facts, and/or statistics; supports conclusions/ideas with evidence 	<ul style="list-style-type: none"> • Has somewhat clear purpose and subject; some examples, facts, and/or statistics that support the subject; includes some data or evidence that supports conclusions 	<ul style="list-style-type: none"> • Attempts to define purpose and subject; provides weak examples, facts, and/or statistics, which do not adequately support the subject; includes very thin data or evidence 	<ul style="list-style-type: none"> • Does not clearly define subject and purpose; provides weak or no support of subject; gives insufficient support for ideas or conclusions 	
Subject Knowledge	<ul style="list-style-type: none"> • Demonstrates full knowledge by answering all class questions with explanations and elaboration 	<ul style="list-style-type: none"> • Is at ease with expected answers to all questions, without elaboration 	<ul style="list-style-type: none"> • Is uncomfortable with information and is able to answer only rudimentary questions 	<ul style="list-style-type: none"> • Does not have grasp of information and cannot answer questions about subject 	
Enthusiasm/ Audience Awareness	<ul style="list-style-type: none"> • Demonstrates strong enthusiasm about topic during entire presentation • Significantly increases audience understanding and knowledge of topic; convinces an audience to recognize the validity and importance of the subject 	<ul style="list-style-type: none"> • Shows some enthusiastic feelings about topic • Raises audience understanding and awareness of most points 	<ul style="list-style-type: none"> • Shows little or mixed feelings about the topic being presented • Raises audience understanding and knowledge of some points 	<ul style="list-style-type: none"> • Shows no interest in topic presented • Fails to increase audience understanding of knowledge of topic 	
Timing	<ul style="list-style-type: none"> • Within one minutes of allotted time (+/-) 	<ul style="list-style-type: none"> • Within two minutes of allotted time (+/-) 	<ul style="list-style-type: none"> • Within four minutes of allotted time (+/-) 	<ul style="list-style-type: none"> • Too long or too short; five or more minutes above or below allotted time 	