Toyama College			Year	Year 2020		C	ourse Title	航海測位論 Ⅱ				
Course Information												
Course Co	ode	0068		Course Category Specialized		Specializ	ed / Compulsory					
Class Format Lecture					Credits	Credits School Cre		edit: 1				
Department Departme			ent of Maritime Technology		Student Grade	Student Grade 3rd						
Term		First Seme	ster	0,	Classes per Week 2							
Textbook Teaching	and/or Materials	Lecture ma	aterial URL is ht	/ama.ac.jp/~mkawai/lecture/sailing/sailing.html								
Instructor Kawai Masashi												
Course Objectives												
 Course objective is to obtain the ability to calculate distance and course from a departure point to an arrival point, position of an arrival point in terrestrial navigation. (1) Understanding technical terms on terrestrial navigation and obtaining the ability to explain them. (2) Obtaining the ability to explain rhumb line sailing and great circle sailing in terrestrial navigation. (3) Obtaining the ability to calculate navigatinal papameters of sailing of every kind in terrestrial navigation. (4) Obtaining the ability to calculate distance and course from a departure point to an arrival point, position of an arrival point in great circle sailing. 												
Rubric												
			Ideal Level of A	Achievement	Standard Level	of Ach	ievement	Unacceptable Level of Achievement)				
Evaluation 1			Obtaining the a technical terms various sailing	ability to explain s in detail in	Obtaining the a explain technica various sailings	Obtaining the ability to roughly explain technical terms in various sailings		Not obtaining the ability to explain technical terms in various sailing				
Evaluation 2			Obtaining the a rhumb line sail circle sailing, a navigation	ability to explain ing and great nd use them for	Obtaining the a rhumb line saili circle sailing	otaining the ability to explain umb line sailing and great rcle sailing		Understanding features of rhumb line sailing and great circle sailing				
Evaluation 3			Obtaining the a navigational pa various sailing certainly	ability to calculate irameters in accurately and	Obtaining the a navigational par various sailing	bility to calculate rameters in		e Understanding calculation method of navigational parameters in various sailing				
Assigne	d Depar	tment Obje	ectives									
MCCコア科	川田											
Teachin	g Metho	d										
Outlino		There are	ectures and pra	actices on calculat	ion method of m	iddle la	atitude sa	illing, mercator sailing				
outime		and great	circle sailing on	sphere in terrestr	ial navigation.							
Style		Lecture by	a teacher					<i>(</i> ;				
NoticeThis lecture corresponds to subjects required to study by the law for ship's officer. The subjects are parallel sailing, middle latitude sailing, mercator sailing and great circle sailing in terrestrial navigation. It is evaluated by exams(70%) and reports(30%). The recognition of credit requires a rating of 60 points or more.												
Course	Plan	· · · · ·										
		Tł	Theme									
	1st Quarter	1st Gu	uidance and lecture on outline and a history o ailing			Obtaining the ability to explain a definition of sailing, and classification and history of sailing.						
		2nd Tł	ne basis of rhum	s of rhumb line sailing			Obtaining the ability to explain terms on rhumb line sailing.					
		3rd Th	ne same as abov	same as above			Understanding navigational papameters in sailing, furthermore the relation between middle latitude and departure and notices on calculating navigational parameters in sailing by a calculator.					
		4th M	lean middle latitude sailing			Understanding basic formulas and calculation algorithm of mean middle latitude sailing.						
1st Semeste r		5th Tł	he same as above			Understanding calculation methods of mean middle latitude sailing.						
		6th Pr	actice of mean middle latitude sailing			Obtaining the ability to calculate ploblems of mean middle latitude sailing.						
		7th Tł	he same as above			The same as above						
		8th Mi	Mid-term exam			Test understanding of contents from 1st week to 7th week.						
	2nd Quarter	9th M	1ercator sailing			Understanding basic formulas and calculation algorithm of mercator sailing.						
		10th Tł	The same as above			Understanding calculation methods of mercator sailing.						
		11th Pr	ractice of mercator sailing			Obtaining the ability to calculate ploblems of mercator sailing.						
		12th Th	he same as above			The same as above						
		13th Gi	eat circle sailing			Understanding basic formulas of navigational papameters, and calculation methods in great circle sailing.						
		14th Th	ie same as abov		The same as above							
		15th Re	Regular exam			Test understanding of contents from 9th week to 14th week.						
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	16th I	Return regular exa themselves and ca	ams, check the m arry out a questic	narkings by Innaire survey.								
Evaluation Method and Weight (%)												
	Examination	Presentation	Mutual Evaluations between students	Behavior	Portfolio	Other	Total					
Subtotal	70	0	0	0	0	30	100					
Basic Ability	35	0	0	0	0	15	50					
Technical Ability	35	0	0	0	0	15	50					
Interdisciplinar y Ability	0	0	0	0	0	0	0					