Course	Exercise Physiology Teacher Hiroyuki Ir		oyuki Imamu	ra			
Type of course	Lecture	Credits	2credits	Semester • Period	1st • 2nd year / Spring	Compulsory • Elective	Elective
			Air	m of Course			
Exercise phy	vsiology is an	evaluation	of the acut	e responses and l	onger-term adap	tations of th	e body to th
stress of phys	ical exercise.	The aim of	this course i	is to understand a	nd discuss appli	cation of res	earch method
in the field o	of exercise ph	ysiology to	o athletic p	erformance, sport	s nutrition, ar	d health and	diseases.
			ment target of (Evaluation method	tool •	Ratio of Evaluation
nterest · Motivation To be able to demonstrate achievements of study by giving a presentation presentation • Attitude Presentation Presentation				ion	25%		
Consideration • Judgement	•		presentation		25%		
Skill • Expressio	n						
Knowledge •	To be able t	o write sh	ort review p	aper.		itten review	50%
Understanding paper Attendance					Required to		
					take exam		
			Total S	y explanation of eval			100%
This course data. The fina			terature, pr	view of course oposal of a resea required.	rch question, c	ollection and	d analysis of
			Textbook	Reference book			
教科書・ral	ated original	naners	TEADOOR				
			ite TP: Exer	cise Physiology:	Human Bioenerge	tics and Its	Application
Mayfield Pu		12, and m				0100 and 100	
		Out o	f class learning	and expectations for	students		
This course	is conducted :	in English,	students ar	e expected to hav	ve some knowledg	ge of exercis	e physiology
	on, and healt	h sciences.					
sports nutriti							
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#	Topic	Details	Preparation • Review	
- 1	Introduction		Review the syllabus	
1		Introduction of this course	Read Statistics (1)	
	Statistics (1)		Review the Statistics (1)	
2		Statistical analysis in athletic performance	Read Statistics (2)	
2	Statistics (2)		Review the Statistics (2)	
3		Statistical analysis in sports nutrition	Read Statistics (3)	
4	Statistics (3)	~	Review the Statistics (3)	
		Statistical analysis in health science	Read Athletics (1)	
5	Athletics (1)		Review the Athletics (1)	
		Principles of skeletal muscle adaptations	Read Athletics (2)	
6	Athletics (2)		Review the Athletics (2)	
		Energetics and athletics	Read Athletics (3)	
7	Athletics (3)	Maria and a surface of	Review the Athletics (3)	
		Motor units recruitment	Read Sports Nutrition (1)	
8	Sports Nutrition (1)		Review the Sports Nutrition (1)	
		Nutrition and athletic performance	Read Sports Nutrition (2)	
9	Sports Nutrition (2)	Muscle glycogen and carbohydrate loading	Review the Sports Nutrition (2)	
0		muscle glycogen and carbonydrate loading	Read Sports Nutrition (3)	
10	Sports Nutrition (3)	Blood lipids and lipoproteins in sports players	Review the Sports Nutrition (3)	
10		blood lipids and lipoproteins in sports players	Read Exercise and Health	
11	Exercise and Health	Exercise and Health Development	Review the Exercise and Health	
		Exercise and nearth Development	Read Exercise and Lipids	
12	Exercise and Lipids	Exercise and hyperlipidemia	Review the Exercise and lipids	
12			Read Exercise and Obesity	
13	Exercise and Obesity	Exercise and obesity and body composition	Review the Exercise and Obesity	
10		Exercise and obesity and body composition	Read Exercise and Diabetes	
14	Exercise and Diabetes		Review the Exercise and	
		Exercise and diabetes	Diabetes	
			Read Exercise and asthma	
15	Exercise and asthma	Exercise and exercise-induced asthma	Review the Exercise and asthma	
16	Conclusion	General discussion	Submit the short review paper	