

Core Competency Index for the Graduate Students of the Department of Statistics

2019.12.19

Educational Purpose	Core Competency	Core Competency Weight	Learning Objectives / Assessment Criteria															
			quantitative analytical skills	logical and analytical thinking	professional knowledge	strategic thinking	critical thinking	prompt reasoning	flexible reaction and adaptability	creativity	persistence	communication skill	effective listening skills	sympathy	teamwork	ability to accept constructive criticism	confidence	Self –Management
<p>To cultivate multidimensional statistical professionals and endow them with theoretical understanding and practical experiences</p> <ul style="list-style-type: none"> ●To construct advanced statistical understanding ●To strengthen logical thinking ●To become familiar with the application and practices of advanced statistical methods ●To cultivate the ability to independently solve statistical problems ●To become familiar with statistical software and writing computer programs ●To establish a second professional specialty ●To develop communication, teamwork skills, and knowledge of professional ethics. 	To equip with the ability of theoretical derivation for advanced statistical methods, to plan and design experiments and surveys, to equip with statistical computing and data analysis abilities, to be familiar with the application and practices of advanced statistical methods, and to solve problems related to statistics	60%	√	√	√	√	√	√	√	√	√						√	√
	To equip with teamwork and leadership ability	10%			√	√	√	√	√	√	√	√	√	√	√	√		
	To equip with knowledge of professional ethics.	10%			√													
	To apply research methods to enhance knowledge, and to equip with comprehensive ability of judgment and decision making	10%	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	
	To equip with communication skills	10% Total : 100%										√	√	√	√	√	√	