

MU Graduates Core Competencies

Three Domains of MU Graduates Core Competencies

Domain	Competencies/ skills	Code	Competence	
Cognitive Domain	1. Core Knowledge	Cog1	Mastery of core content	
	2. Critical thinking & Problem solving skills	Cog2	Cog2.1	Think critically & Reason effectively: analyse, synthesize, & evaluate information and ideas from multiple perspectives
			Cog2.2	Making judgments & decision: making correct analysis, inferences, and evaluations
	3. Information, media & technology skills	Cog3	ICT literacy : Find, evaluate, and ethically use information using appropriate technology	
	4. Process management skills	Cog4	Ability to apply concept of process management	
	5. Creativity & Innovation	Cog5	Cog5.1	Think creatively: use thinking strategies to create new ideas
Cog5.2			Implement innovation	
Interpersonal Domain	1. Communication & Collaboration	Ine1	Ine1.1	Communicate effectively: <ul style="list-style-type: none"> ▪ Competence in oral, visual, and written language ▪ Competence in a second language
			Ine1.2	Collaborate with others
			Ine1.3	Work with teams
	2. Leadership, Integrity & Ethics	Ine2	Ine2.1	Guide and lead others
			Ine2.2	Apply principles of ethical leadership, collaborative engagement, and respect diversity.
	3. Responsibility	Ine3	Ine3.1	Be responsible to others
			Ine3.2	Exhibit responsible citizenship
	Social awareness	Ine4		<ul style="list-style-type: none"> • Understanding of the interrelatedness of people, institutions, and systems • Altruistic value
4. Empathy for people in diverse circumstances				
5. Social & cross cultural skills	Ine5	Ine5.1	1. Interact effectively with others	
		Ine5.2	2. Work effectively in diverse teams	
Intrapersonal Domain	1. Intrinsic motivation	Ina1	Ina1.1	Manage goals & time
			Ina1.2	Work independently
			Ina1.3	Be self-directed learners
	2. Learning how to learn	Ina2		Ability to do metacognitive skills
	3. Acting autonomously within context of self value, relationships to others, law, rules, codes, etc.	Ina3	Ina3.1	Function well in different spheres of life and including the workplace, family and social life
Ina3.2			Social responsibility & sustainability	

Herbert Simon

... the meaning of "knowing" has changed from being able to recall information to being able to find & use information

MU Graduates Core Competencies & List of LO

Domain	Competencies/ skills	Competence	List of LO
Cognitive Domain	1. Core Knowledge	Mastery of core content	<ul style="list-style-type: none"> • Demonstrate knowledge of core contents (natural & social sciences, humanities, mathematics) principles, concepts, and methods. • Apply simple mathematical methods to the solution of 'real world' problems
	2. Critical thinking & Problem solving skills	Think critically & Reason effectively: analyse, synthesize, & evaluate information and ideas from multiple perspectives	<ul style="list-style-type: none"> • Identify and formulate problems, gather data, analyse them, synthesize information to arrive at reasoned conclusions. • Use various types of reasoning (inductive, deductive, etc.) as appropriate to the situation • Identify & ask significant questions that clarify various points of view & lead to better solutions • Ability to identify global change
		Making judgments & decision: making correct analysis, inferences, and evaluations	<ul style="list-style-type: none"> • Interpret information & draw conclusions based on the best analysis • Reflect critically on learning experiences & processes • Ability to formulate, analyse and synthesize solutions to scientific problems
	3. Information, media & technology skills	ICT literacy : Find, evaluate, and ethically use information using appropriate technology	<ul style="list-style-type: none"> • Access information efficiently (time) and effectively (sources) • Evaluate information critically & competently • Use information accurately & creatively for the issue or problem at hand • Apply a fundamental understanding of the ethical/legal issues surrounding the access & use of information • Use technology as a tool to research, organize, evaluate & communicate information
	4. Process management skills	Ability to apply concept of process management	<ul style="list-style-type: none"> • Ability to form & conduct plans & projects: <ul style="list-style-type: none"> - Define a project & set a goal - Identify & evaluate both the resources to which they have access and the resources they need (e.g. time & money) - Prioritise & refine goals - Balance the resources needed to meet multiple goals - Learn from past actions, projecting future outcomes - Monitor progress, making necessary adjustments as a project unfolds
	5. Creativity & Innovation	Think creatively: use thinking strategies to create new ideas	<ul style="list-style-type: none"> • Use a wide range of idea creation techniques (such as brainstorming) • Create new & worthwhile ideas (both incremental & radical concepts) • Elaborate, refine, analyze & evaluate their own ideas in order to improve & maximize creative efforts
Implement innovation		<ul style="list-style-type: none"> • Act on creative ideas to make a tangible & useful contribution to the field in which the innovation will occur 	

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Domain	Competencies /skills	Competence	List of LO
Interpersonal Domain	1. Communication & Collaboration	Communicate effectively: competence in verbal and non-verbal language	<ul style="list-style-type: none"> • Ability to listen, write and speak correctly in one's own language and another language • Demonstrate basic communication skills in English • Articulate thoughts & ideas effectively using oral, written & nonverbal communication skills in a variety of forms & contexts • Use communication for a range of purposes (e.g. to form, instruct, motivate & persuade) • Communicate effectively in diverse environments (including multi-lingual)
		Collaborate with others and work with teams	<ul style="list-style-type: none"> • Demonstrate ability to work effectively & respectfully with diverse teams • Exercise flexibility & willingness to be helpful in making necessary compromises to accomplish a common goal • Assume shared responsibility for collaborative work, and value the individual contributions made by each team member
	2. Leadership, Integrity & Ethics	<p>Guide and lead others</p> <p>Apply principles of ethical leadership, collaborative engagement, and respect diversity.</p>	<ul style="list-style-type: none"> • Balance commitment to the group & its goals with his/her own priorities <ul style="list-style-type: none"> - the ability to present ideas and listen to those of others - an understanding of the dynamics of debate & following an agenda • Share leadership and support others <ul style="list-style-type: none"> - An ability to negotiate - the capacity to make decisions that allow for different shades of opinions - take an active part in conflict management & resolution • Demonstrate integrity & ethical behavior in using influence & power
	3. Responsibility	Be responsible to others/ Exhibit responsible citizenship	<ul style="list-style-type: none"> • Act responsibly with the interest of the larger community in mind
	4. Empathy for people in diverse circumstances	<ul style="list-style-type: none"> • Understanding of the interrelatedness of people, institutions, and systems • Altruistic value 	<ul style="list-style-type: none"> • Ability to relate well to others <ul style="list-style-type: none"> - Empathy: self-reflection, recognize that what they take for granted in a situation is not necessarily shared by others - Effective management of emotion- being self-aware and able to interpret effectively one's own underlying emotional and motivational states and those of others
5. Social & cross cultural skills	Interact effectively with others	<ul style="list-style-type: none"> • Know when it is appropriate to listen & when to speak • Conduct themselves in a respectable, professional manner 	
	Work effectively in diverse teams	<ul style="list-style-type: none"> • Respect cultural differences and work effectively with people from a range of social & cultural backgrounds • Respond open-mindedly to different ideas & values • Leverage social & cultural differences to create new ideas & increases both innovation & quality of work 	

MU Graduates Core Competencies & List of LO

Domain	Competencies /skills	Competence	List of LO
Intrapersonal Domain	1. Intrinsic motivation	Manage goals & time	<ul style="list-style-type: none"> • Set goals with tangible & intangible success criteria • Balance tactical (short-term) and strategic (long-term) goals • Utilize time & manage workload efficiently
		Work independently	<ul style="list-style-type: none"> • Monitor, define, prioritize and complete tasks without direct oversight
	2. Learning how to learn	Be self-directed learners	<ul style="list-style-type: none"> • Go beyond basic, mastery of skills and/or curriculum to explore & expand one's own learning and opportunities to gain experience • Demonstrate initiative to advance skill levels towards a professional level • Demonstrate commitment to learning as a lifelong process • Reflect critically on past experiences in order to inform future progress
		Ability to do metacognitive skills	Ability to <ul style="list-style-type: none"> • determine how to approach a problem or task • monitor his/her own comprehension • evaluate progress toward completion
	3. Acting autonomously within context of self value, relationships to others, law, rules, codes, etc.	Function well in different spheres of life and including the workplace, family and social life.	<ul style="list-style-type: none"> • Initiate interactions with one's environment • Ability to act within the big picture <ul style="list-style-type: none"> - Identify direct & indirect consequences of their actions - Take account of how their actions & decisions relate to the wider context, e.g. to society's norm, to social & economic institutions and to what has happened in the past • Ability to form and conduct life plans and personal projects • Ability to cope with changes, problems, limitations, and conflicts.
		Social responsibility & sustainability	<ul style="list-style-type: none"> • Apply knowledge & skills gained from the undergraduate experience for the advancement of a diverse society • Identify, act on and evaluate their personal actions with the knowledge and appreciation of interconnections among economic, environmental, and social perspectives in order to create a more sustainable future

**Alignment between MU Graduates Core Competencies (MU-CC)
And MU Graduates Attributes (MU-GA)**

**Domains of MU Core Competencies
(MU-CC)**

1. Cognitive Domain (Cog)
2. Interpersonal Domain (Ine)
3. Intrapersonal Domain (Ina)

**MU Graduates Attributes
(MU-GA)**

- MU-GA1:** T-shaped breadth & depth:
mastery in core & key contents
- MU-GA2:** Globally talented
- MU-GA3:** Social contributing
- MU-GA4:** Entrepreneurially minded

MU-CC	MU GA			
	MU-GA1	MU-GA2	MU-GA3	MU-GA4
Cognitive Domain (Cog)				
Cog1: Core knowledge	✓	✓		
Cog2: Critical thinking & Problem solving skills	✓	✓	✓	✓
Cog3: Information, media & technology skills	✓	✓		✓
Cog4: Process management skills		✓		✓
Cog5: Creativity& Innovation		✓		✓
Interpersonal Domain (Ine)				
Ine1: Communication & Collaboration		✓	✓	✓
Ine2: Leadership, Integrity & Ethics			✓	✓
Ine3: Responsibility			✓	✓
<i>Social awareness</i>				
Ine4: Empathy for people in diverse circumstances			✓	
Ine5: Social & cross cultural skills		✓	✓	
Intrapersonal Domain (Ina)				
Ina1: Intrinsic motivation	✓			✓
Ina2: Learning how to learn	✓			✓
Ina3: Acting autonomously within context of self value, relationships to others, law, rules, codes, etc.	✓	✓	✓	✓