Guidelines for Certification of Comprehensive Knowledge (CCK) Evaluation

Master of Science in Technology (Non-Thesis Option)

(Effective Fall 2014)

Option 1: Case Study

Option 1: Written Report Evaluation Criterion	Possible Points	Committee's Score
Has the student presented a reality-based case that identified problems clearly?	10	
Has the student used appropriate principles, methods and tools to demonstrate how the case problems could be resolved?	10	
Did the student use knowledge derived from four (4) graduate courses to demonstrate how the problem(s) would be addressed and resolved?	10	
Has the student used academic sources other than course work materials to support claims?	10	
Has the student applied the APA formatting standards and guidelines in presenting and citing resources?	10	
Is the report deemed publishable with the student and advising faculty as coauthors?	10	
Total points	*60*	

Option 1: Oral Presentation Evaluation Criterion	Possible Points	Committee's Score
Has the student communicated a comprehensive knowledge and understanding of the case?	10	
Has the student demonstrated that she/he has the skills to effectively solve the case identified problem as well as similar real world problems?	10	
Has the student been well prepared for his/her presentation and the student presented ideas and findings effectively?	10	
Has the student effectively responded to questions related to the case and graduate studies?	10	
Total points	*40*	

Total Points   (passing grade 70 – 100)

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Option 2: Capstone Project or Project Activity

Option 2: Written Report Evaluation Criterion	Possible Points	Committee's Score
Has the student effectively presented a capstone project or project-based activity for which s/he has developed technology-related project/product?	10	
Has the student effectively documented the project mission, scope, measurable outcomes and other implementation details so that others may be able to replicate the work?	10	
Has the student effectively shown evidence of integrating knowledge gained during the graduate studies of more than one class?	10	
Has the student used academic sources other than course work materials to support claims?	10	
Has the student applied the APA formatting standards and guidelines in presenting and citing resources?	10	
Is the report deemed publishable with the student and advising faculty as coauthors?	10	
Total points	*60*	

Option 2: Oral Presentation Evaluation Criterion	Possible Points	Committee's Score
Has the student effectively presented a capstone project or project-based activity for which s/he has developed technology-related project/product?	10	
Has the student demonstrated his/her ability to present detailed information relevant to the project/product?	10	
Has the student been well prepared for his/her presentation and presented ideas effectively?	10	
Has the student demonstrated his/her ability to answer questions related to the project/product and graduate study in general?	10	
Total points	*40*	

Total Points _____   (passing grade 70 – 100)

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Option 3: Mini-Thesis or Research

Option 3: Written Report Evaluation Criterion	Possible Points	Committee's Score
Has the student effectively presented a topic for which s/he has conducted research, designed the experiment or research instrument, performed the research or experiments, collected and analyzed the data, and drawn conclusion(s)?	10	
Has the student documented the details of the research procedures, materials, equipment and/or other research instruments?	10	
Has the student documented the details of the research data collection, organization and analysis and results?	10	
Has the student used academic sources other than course work materials to support claims?	10	
Has the student applied the APA formatting standards and guidelines in presenting and citing resources?	10	
Is the report deemed publishable with the student and advising faculty as coauthors?	10	
Total points	*60*	

Option 3: Oral Presentation Evaluation Criterion	Possible Points	Committee's Score
Has the student effectively demonstrated his/her ability to present information relevant to the research topic?	10	
Has the student demonstrated his/her ability to present research information including literature review, methods or research design, description of the procedure, materials, equipment and/or other research instruments, data collection, organization and analysis, results and discussion, and conclusions/summary of the research?	10	
Has the student been well prepared for his/her presentation and presented ideas effectively?	10	
Has the student demonstrated his/her ability to answer questions related to the project/product and graduate study in general?	10	
Total points	*40*	

Total Points   (passing grade 70 – 100)