Department of Informatics: Bachelor of Science

INF 601: Advanced Programming with Python
Undergraduate Concentration Specific **Final Project** Grading Rubric

	Criteria	Emerging (0-2)	Developing (3-5)	Proficient (6-7)	Advanced (8-10)	Pts
Source Code (30%)	**Modularization & Generalization**	Little to no code elements. The code is not written for reuse.	Code elements exist, but are not well thought out, are used in a somewhat arbitrary fashion, or do not improve program clarity. Elements are seldom written in a way that invites code reuse.	Code elements are generally well planned and executed. Some code is repeated that should be encapsulated. Individual elements are often, but not always, written in a way that invites code reuse.	Program is broken into well thought out elements that are of an appropriate length, scope and independence. Individual elements are written in a way that actively invites reuse in other projects.	
	Required Elements	Missing **5+** required elements	Missing required elements	All required elements are included in the project- appropriate implementation	All required elements – implementation is not only appropriate but demonstrates deeper level understanding regarding functionality and efficiency	
	Readability, Consistency & Naming	Little to no evidence of following coding guidelines. Code is challenging to follow.	Coding style guidelines are followed to a minimal extent. Code is less readable than it should be. Names are nearly always consistent, but occasionally verbose, overly terse, ambiguous or misleading.	Coding style guidelines are almost always followed correctly. Code is easy to read. Names are consistent in style and expressive. Isolated cases may be verbose, overly terse or ambiguous.	Coding style guidelines are followed correctly, code is exceptionally easy to read and maintain. All names are consistent with regard to style and are expressive without being verbose.	
	Coding Comments	Little to no meaningful comments exist.	Comments are poorly used and make code difficult to read or follow.	Program is missing 1-2 documentation elements.	Program is well documented using block comments and inline comments where appropriate.	
					Section Total	

Criteria	Emerging (0-2)	Developing (3-5)	Proficient (6-7)	Advanced (8-10)	Pts
Execution (30%)	Program crashes unexpectedly.	Program has 3-4 errors causing program to potentially crash.	Program has 1-2 errors displayed to the user in an inappropriate manner.	Program handles erroneous or unexpected input gracefully; action is taken without surprising the user.	
Feedback (30%)	Little to no evidence of utilizing instructor feedback to improve the final project.	Some attempts were made to address instructor feedback, although not clear nor comprehensive in application	All instructor feedback was addressed in an attempt to improve the final project and some improvements were made	All instructor feedback was addressed.	
Relevancy (10%)	Little to no alignment to student's area of study.	Program may not align student's area of study and/or concentration is not relevant.	Program aligns to student's area of study and concentration	Program closely aligns to the student's area of study and concentration, clearly integrating knowledge from both areas	
				Final Score	