MATH34041 CWK Grading Descriptor

Class	Scale	General Characteristics
First	Exceptional First 93-100	Exceptional breadth and depth of knowledge and understanding of the network science techniques taught, evidenced by own independent research and critical awareness of computational network techniques, applicable to the coursework; evidence of extensive and appropriate independent inquiry, operating with advanced computational network science concepts, methods and techniques to solve problems given; cogent arguments, explanations and conclusions are consistently provided using a range of Python scripts; academic work extends beyond expectation of the level and may achieve or be very close to commercial standard.
	High First 85-92	Excellent knowledge and understanding of some network science techniques evidenced by independent learning and critical awareness of relevant computational network techniques and concepts, some of which are applicable to a given task; evidence of appropriate independent inquiry, operating with core network science concepts, methods and techniques to solve problems given; arguments and explanations are provided that are well-supported by acquired network science knowledge and in some cases use of a range of Python scripts; a sustained academic approach to most aspects of the tasks is evidenced; one or more aspects of the academic work is beyond the taught range and evidences a competent understanding of all of the relevant taught content.
	Mid First 78-84	
	Low First 70-77	
Upper second	High 2.1 67-69	Very good knowledge and understanding of network science concepts and computational techniques is evidenced as the student is typically able to independently relate taught facts/concepts to a given task; evidence of some competent independent inquiry, operating with core network science concepts, methods and techniques to solve familiar problems; arguments and explanations are provided that are typically supported by the Python scripts/outputs; competent use of all taught material to communicate effectively in familiar settings; an academically rigorous approach applied to certain aspects of the tasks is evidenced, some beyond the taught range; demonstrates autonomy in approach to learning.
	Mid 2.1 64-66	
	Low 2.1 60-63	
Lower second	High 2.2 57-59	Good knowledge and understanding of the area of study balanced towards the descriptive rather than critical or analytical and mostly confined to network concepts taught; evidence of some independent reading and research to advance work and inform arguments and approaches; arguments and explanations are limited in range and depth although some are adequately supported by the Python outputs/scripts albeit descriptively rather than critically; competent use of at least one taught technique in familiar settings, although the approach applied to some aspects of the tasks may lack academic rigour; relies on provided learning material to advance work/direct arguments and communicated in a way which shows clarity but structure may not always be coherent.
	Mid 2.2 54-56	
	Low 2.2 50-53	

Class	Scale	General Characteristics
Third	High Third 47-49	Knowledge and understanding is insufficient as the student is typically only able to deal with terminology, basic facts and concepts, adequate knowledge of network science concepts and techniques within the taught range but fails to add meaningful detail or make sufficient links between concepts and tasks posed by the assessment; some ability to independently select and evaluate network techniques, however, there is a strong imbalance towards descriptive and unsubstantiated arguments with limited support from Python outputs/scripts; communication/presentation is competent in places and at a threshold level as it fails to demonstrate clarity and focus; inability to adequately define problems and make reasoned judgements; the general approach to tasks lacks rigour and where there is competence and rigour, it is not sustained.
	Mid Third 44-46	
	Low Third 40-43	
Fail	Marginal Fail 35-39	Knowledge and understanding is highly insufficient as the student is unable to evidence any meaningful understanding of two or more taught network science concepts or techniques; very limited evidence of reading and research to advance work; inadequate technical and practical skills as the student is unable to use and apply Python skills to address network analysis tasks or make judgements; approach to learning lacks autonomy and approach to tasks is not sustained; inability to communicate coherently.
	Mid Fail 30-34	
	Low Fail 1-29	
ZERO		Work of no merit or absent; work not submitted; penalty in some misconduct cases.

MATH44041 CWK Grading Descriptor

Class	Scale	General Characteristics
DISTINCTION (Excellent)	Exceptional Dist. 93-100	Exceptional breadth and depth of knowledge and understanding of the network science techniques taught, evidenced by own independent research and critical awareness of computational network techniques, applicable to the coursework; evidence of extensive and appropriate independent inquiry, operating with advanced computational and network science concepts, methods and techniques to solve problems given; cogent arguments, explanations and conclusions are consistently provided using a range of Python scripts; academic work extends beyond expectation of the level and may achieve or be very close to commercial standard.
	High Dist. 85-92	Excellent knowledge and understanding of some network science techniques evidenced by independent learning and critical awareness of relevant computational network techniques and concepts, some of which are applicable to a given task; evidence of appropriate independent inquiry, operating with core network concepts, methods and techniques to problems given; arguments and explanations are provided that are well-supported by acquired network science knowledge and in some cases uses a range of Python scripts; a sustained academic approach to most aspects of the tasks is evidenced; one or more aspects of the academic work is beyond the taught range and evidences a competent understanding of all of the relevant taught content.
	Mid Dist. 78-84	
	Dist. 70-77	
COMMENDAT^{N} (Very good)	High Comm. 67-69	Very good knowledge and understanding of network science concepts and computational techniques is evidenced as the student is typically able to independently relate taught facts/concepts to a given task; evidence of some competent independent inquiry, operating with core network science concepts, methods and techniques to solve familiar problems; arguments and explanations are provided that are typically supported by the Python scripts/outputs; competent use of all taught material to communicate effectively in a familiar settings; an academically rigorous approach applied to some aspects of the tasks is evidenced, some beyond the taught range; demonstrates autonomy in approach to learning.
	Mid Comm. 64-66	
	Comm. 60-63	
PASS (Good)	High Pass 57-59	Good knowledge and understanding of the area of study balanced towards the descriptive rather than critical or analytical and mostly confined to network concepts taught; evidence of some independent reading and research to advance work and inform arguments and approaches; arguments and explanations are limited in range and depth although some are adequately supported by the Python outputs/scripts albeit descriptively rather than critically; competent use of at least one taught technique in familiar settings, although the approach applied to some aspects of the tasks may lack academic rigour; relies on provided learning material to advance work/direct arguments and communicated in a way which shows clarity but structure may not always be coherent.
	Mid Pass 54-56	
	Pass 50-53	

Class	Scale	General Characteristics
FAIL (Insufficient)	Marginal fail 45-49	Knowledge and understanding is marginally insufficient as the student is typically only able to deal with terminology, basic facts and concepts, adequate knowledge of network science concepts and techniques within the taught range but fails to add meaningful detail or make sufficient links between concepts and the task posed by the assessment; some ability to independently select and evaluate network techniques, however there is a strong imbalance towards descriptive and unsubstantiated arguments with limited support from Python outputs/scripts; communication/presentation is competent in places and at a threshold level as it fails to demonstrate clarity and focus; inability to adequately define problems and make reasoned judgements; the general approach to tasks lacks rigour and where there is competence and rigour, it is not sustained.
	Mid fail 40-44	Knowledge and understanding is insufficient as the student only evidences an understanding of small subset of the taught network science concepts and techniques; fails to make sufficient links between known concepts and facts to adequately solve relevant aspects of the given task; little ability to independently select and evaluate network approaches with almost total reliance on learning material provided and unsubstantiated arguments lacking support from Python outputs/scripts; communication/presentation may be competent in places but fails to demonstrate structure, clarity and/or focus; inability to adequately define problems and make reasoned judgements; the general approach to tasks lacks rigour and competence.
	Low fail 1-39	Knowledge and understanding is highly insufficient as the student is unable to evidence any meaningful understanding of two or more taught network science concepts or techniques; very limited evidence of reading and research to advance work; inadequate technical and practical skills as the student is unable to use taught Python skills to address network analysis tasks or make judgements; approach to learning lacks autonomy and approach to tasks is not sustained; inability to communicate coherently.
ZERO		Work of no merit or absent; work not submitted; penalty in some misconduct cases.