Common Rubric Criteria for ITCO 211

Expectations: Student work at the undergraduate level is expected to focus on a broad overview of an academic discipline, along with—where appropriate— basic theoretical frameworks of professional practices and familiarity with discipline-specific tools and their application. Blooms taxonomy levels only apply for IT content criteria. **Blue** color refers the basic expectation on the criterion for the assignment. Besides the five level letters, "N/A" option is also available for 1) The student didn't submit the work. 2) The topics in the criterion are not covered in the assignment requirements.

IT Content Criteria

IT Content Criteria	Exemplary (A)	Accomplished (B)	Proficient (C)	Partially Proficient (D)	Unacceptable (F)
Blooms Taxonomy Level	Analysis	Application	Comprehension	Knowledge	Knowledge
Network Administration **Network Infrastructure Management** -	Demonstrates in-depth understanding of network infrastructure management architecture. Analyzes requirements and identifies appropriate network elements, type (WAN, LAN, VLAN, VPN, etc.), topology, protocols, and related elements to produce network design. Distinguishes inappropriate configuration parameters and selects values necessary to correct issues. Configures a variety of network protocols (i.e. DHCP, DNS) to support enterprise. Develops and implements IP	Demonstrates sound understanding of network infrastructure management. Produces requirements and employs appropriate network elements, type (WAN, LAN, VLAN, VPN, etc.), topology, protocols, etc. Discovers inappropriate configuration parameters. Configures a variety of network protocols (i.e. DHCP, DNS) to support enterprise. Implements IP addressing scheme based on need of enterprise. Selects and employs appropriate tools necessary to manage network infrastructure.	Demonstrates basic understanding of network infrastructure management. Descriptions of management techniques and tools are generalized. Discusses requirements and recognizes some appropriate technologies (network elements, type (WAN, LAN, VLAN, VPN, etc.), topology, protocols, etc.). Summarizes potential issues with protocol configuration and network design. Describes IP addressing scheme implementation based on need of enterprise. Provides example of	Demonstrates a lack of understanding of network infrastructure management. Descriptions of management techniques and tools are generalized. Discusses requirements and recognizes some appropriate technologies (network elements, type (WAN, LAN, VLAN, VPN, etc.), topology, protocols, etc.). Summarizes potential issues with protocol configuration and network design. Outlines IP addressing scheme implementation based on need of enterprise. Provides example of situations where some network infrastructure	Does not demonstrate an acceptable understanding of network infrastructure management. Descriptions of management techniques and tools are very brief and sometimes inaccurate. Outlines requirements but fails to recognize which technologies (network elements, type (WAN, LAN, VLAN, VPN, etc.), topology, protocols, etc.) should be utilized. Unable to articulate or identify potential issues with protocol configuration or network design. Limited descriptions of IP addressing scheme

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	addressing scheme based on need of enterprise. Selects and employs appropriate tools necessary to manage network infrastructure.		situations where some network infrastructure management tools would be appropriate. The network infrastructure management process is adequately demonstrated and organized, with improvements possible terms of detail and relevance.	management tools would be appropriate.	implementation based on need of enterprise. Limited understanding of network infrastructure management tools and unable to determine when or how to employ them.
Network Administration **Server and Client Management**	Demonstrates full understanding of server and client management methodologies. The server and client management process meets all of the specified functional and administrative requirements, including supportability, performance and usability, rapid threat response, the ability to perform well in unforeseeable scenarios, and comprehensiveness. The server and client management process is exceptionally demonstrated, well organized and very easy	Demonstrates sound understanding of server and client management methodologies. The server and client management processes adequately meet the specified requirements, including supportability, performance and usability, and comprehensiveness. It also meets most of the other requirements. Defines appropriate tools for server monitoring and management, together with remedial actions based on tool output. The server and client management process is well demonstrated and	Demonstrates basic understanding of server and client management methodologies. The server and client management processes meet the specified requirements, including supportability, performance and usability, and comprehensiveness. They also meet a majority of the other requirements. Defines appropriate tools for server monitoring and management. Server and client management processes are	Demonstrates a lack of understanding of server and client management methodologies. The server and client management processes do not meet the specified requirements, including supportability, performance and usability, and comprehensiveness, but meets a majority of the other requirements. Defines some appropriate tools for server monitoring and management. The server and client management processes are not demonstrated with complete accuracy, the presentation is not well-	Does not demonstrate an acceptable understanding of server and client management methodologies. The server and client management processes do not meet the specified requirements, including supportability, performance and usability, and comprehensiveness, and meets a minority of the other requirements. Defines some appropriate tools for server monitoring and management. Server and client management are not demonstrated and organized; and their

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	to identify and follow with appropriate documentation. Reference to best practices, current events, and methodologies for continuous improvement are demonstrated.	organized, and easy to identify and follow with appropriate documentation with reference to current events and best practices	adequately demonstrated and organized; improvements are possible in terms of layout, organization, and appropriate documentation of best practices.	organized so it is easy to follow, and it lacks appropriate references to best practices.	narrative is very difficult to identify and follow, and does not include any references.

General Education Criteria

General Education Criteria	Exemplary (A)	Accomplished (B)	Proficient (C)	Partially Proficient (D)	Unacceptable (F)
EFFECTIVE COMMUNICATION **Approach and Purpose, Organization, Style, Grammar, Mechanics, Format, Presentation and Delivery (where applicable)**	Demonstrates outstanding or exemplary application of written, visual, or oral skills. Demonstrates outstanding expression of topic, main idea, and purpose. Audience is addressed appropriately. Language clearly and effectively communicates ideas and content relevant to the assignment. Errors in grammar, spelling, and sentence structure are minimal. Organization is clear. Format is consistently appropriate to assignment. Presentation and	Demonstrates sound or accomplished application of written, visual, or oral skills. Demonstrates sound or accomplished expression of topic, main idea, and purpose. Audience is usually addressed appropriately. Language does not interfere with the communication of ideas and content relevant to the assignment. Errors in grammar, spelling, and sentence structure are present, but do not distract. Organization is apparent and mostly clear. Format is appropriate to assignment, but not entirely consistent. Presentation and	Demonstrates adequate or proficient application of written, visual, or oral skills. Demonstrates adequate expression of topic, main idea, and purpose. Audience is generally addressed appropriately. Language is adequate, generally communicating ideas and content relevant to the assignment. Errors in grammar, spelling, and sentence structure are present and sometimes distract from meaning or presentation. Organization is adequate, though confusing or unclear at times. Format is adequate, but	Demonstrates inadequate or partially proficient application of written, visual, or oral skills. Demonstrates inadequate or partial expression of topic, main idea, and purpose. Audience is often not addressed appropriately. Language often impedes the communication of ideas and content relevant to the assignment. Errors in grammar, spelling, and sentence structure are frequent and often distract from meaning or presentation. Organization is inadequate, confusing, and distracting.	Demonstrates unacceptable application of written, visual, or oral skills. Demonstrates unacceptable, unclear expression of topic, main idea, and purpose. Audience is not addressed appropriately. Language does not clearly and effectively communicate ideas and content relevant to the assignment. Errors in grammar, spelling, and sentence structure are pervasive and consistently distracting. Format is absent or consistently appropriate to assignment. Organization is not apparent and

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	delivery are confident and persuasive (where applicable).	delivery are mostly confident and persuasive (where applicable).	inconsistent. Presentation and delivery are adequate, with evident lack of confidence and persuasive power (where applicable).	Format is inadequate and obscures meaning. Presentation and delivery are inadequate, lacking confidence and persuasive power (where applicable).	completely inadequate. Presentation and delivery are unacceptable, with little or no confidence and persuasive power (where applicable).
PRACTICAL REASONING **Critical and Creative Thinking, Problem-Solving**	Demonstrates outstanding or exemplary ability to analyze assumptions and evaluate evidence, complexities of issues, and alternatives. Where required, demonstrates outstanding or exemplary ability to use creativity and originality in problem-solving.	Demonstrates sound or accomplished ability to analyze assumptions and evaluate evidence, complexities of issues, and alternatives. Where required, demonstrates sound or accomplished ability to use creativity and originality in problem-solving.	Demonstrates adequate or proficient ability to analyze assumptions and evaluate evidence, complexities of issues, and alternatives. Where required, demonstrates adequate or proficient ability to use creativity and originality in problem-solving.	Demonstrates inadequate or partially proficient ability to analyze assumptions and evaluate evidence, complexities of issues, and alternatives. Where required, demonstrates inadequate or partially proficient ability to use creativity and originality in problem-solving.	Demonstrates unacceptable ability to analyze assumptions and evaluate evidence, complexities of issues, and alternatives. Where required, demonstrates unacceptable ability to use creativity and originality in problem-solving.

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PRACTICAL REASONING **Research and Information Literacy**	Demonstrates outstanding selection and use of high quality, credible, and relevant sources to develop ideas that are appropriate to the assignment. Sources are consistently cited according to required documentation (e.g., APA), with almost no errors.	Demonstrates sound selection and use of credible, relevant sources to support ideas that are appropriate to the assignment. Sources are generally cited according to required documentation (e.g., APA), with few errors.	Demonstrates adequate selection and use of credible and/or relevant sources to support ideas that are appropriate to the assignment. Sources are cited according to required documentation (e.g., APA), with some errors.	Demonstrates inadequate selection and use of sources to support ideas in the assignment. Sources are inconsistently cited according to required documentation (e.g., APA), with frequent errors.	Demonstrates unacceptable selection and use of sources to support ideas in the assignment. Sources are not cited according to required documentation (e.g., APA).