

**GENERAL EDUCATION RUBRIC—SCIE210**

*DNS = Did Not Submit    N/A = Not Applicable to Assignment*

Criteria	Exemplary (5)	Accomplished (4)	Proficient (3)	Partially Proficient (2)	Unacceptable (1)
<p><b><u>COMMUNICATION</u></b> Create documents and/or deliver presentations in standard academic English that reflect mature, well-considered ideas, arguments, and information using appropriate media, methods, subjects, and technology.</p>	<p>Demonstrates language use that clearly and effectively communicates mature, well-considered ideas, arguments, and information. Organization is clear. Presentation and delivery are confident and persuasive (where applicable). Audience, style, tone, and perspective are consistent and appropriate to assignment. No errors in grammar, spelling, and sentence structure. Documents or presentations use appropriate media, methods, subjects, and technology.</p>	<p>Demonstrates language use that communicates mature, well-considered ideas, arguments, and information, with minor errors. Organization is apparent and mostly clear. Presentation and delivery are mostly confident and persuasive (where applicable). Audience, style, tone, and perspective are mostly consistent and appropriate to assignment. Minor errors in grammar, spelling, and sentence structure. Documents or presentations use mostly appropriate</p>	<p>Demonstrates language use that generally communicates mature, well-considered ideas, arguments, and information, it sometimes impedes meaning. Organization is lacking and sometimes unclear. Presentation and delivery are developing, with some lack of confidence and persuasion (where applicable). Audience, style, tone, and perspective are sometimes inconsistent or inappropriate to assignment. Errors in grammar, spelling, and sentence structure sometimes</p>	<p>Demonstrates language use that often impedes the communication of mature, well-considered ideas, arguments, and information. Organization is inadequate, confusing, and distracting. Presentation and delivery are inadequate, lacking confidence and persuasion (where applicable). Audience, style, tone and perspective are often inconsistent and inappropriate to assignment. Frequent errors in grammar, spelling, and sentence structure often distract from</p>	<p>Demonstrates language use that does not clearly and effectively communicate mature, well-considered ideas, arguments, and information. Organization is not apparent. Presentation and delivery are unacceptable with little or no confidence and persuasion (where applicable). Audience, style, tone, and perspective are inconsistent and inappropriate to assignment. Frequent errors in grammar, spelling, and sentence structure often distract from meaning or presentation.</p>

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		media, methods, subjects, and technology.	distract meaning or presentation. Documents or presentations mostly use appropriate media, methods, subjects, and technology.	meaning or presentation. Documents and/or presentations often use inappropriate media, methods, subjects, and technology.	Documents or presentations use inappropriate media, methods, subjects, or technology.
<p><b><u>CRITICAL THINKING</u></b> Synthesize different ideas, beliefs, perspectives, and approaches in the process of arriving at conclusions or solutions (includes ethical reasoning and awareness of cultural diversity).</p>	<p>Demonstrates outstanding or exemplary ability to integrate different ideas, beliefs, perspectives and approaches in the process of arriving at conclusions or solutions as required by the assignment (includes issues related to ethical questions)</p> <p>Demonstrates outstanding or exemplary ability to proactively seek and incorporate multiple and diverse perspectives when working with one's own and other cultures (as applicable).</p>	<p>Demonstrates clear ability to integrate different ideas, beliefs, perspectives and approaches in the process of arriving at conclusions or solutions as required by the assignment (includes issues related to ethical questions).</p> <p>Demonstrates clear ability to seek and incorporate multiple and diverse perspectives when working with one's own and other cultures (as applicable).</p>	<p>Demonstrates adequate or proficient ability to integrate, different ideas, beliefs, perspectives and approaches in the process of arriving at conclusions or solutions as required by the assignment (includes issues related to ethical questions).</p> <p>Demonstrates adequate ability to seek (when instructed), and incorporate multiple and diverse perspectives when working with one's own and other cultures (as applicable).</p>	<p>Demonstrates inadequate or partially proficient ability to integrate, different ideas, thoughts, perspectives and approaches in the process of arriving at conclusions or solutions as required by the assignment (includes issues related to ethical questions).</p> <p>Demonstrates partially proficient ability to incorporate multiple and diverse perspectives when working with one's own and other cultures (as applicable).</p>	<p>Demonstrates limited ability to integrate different ideas, thoughts, perspectives and approaches in the process of arriving at conclusions or solutions as required by the assignment (includes issues related to ethical questions).</p> <p>Demonstrates limited ability to incorporate multiple and diverse perspectives when working with one's own and other cultures (as applicable).</p>

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<p><b><u>QUANTITATIVE REASONING</u></b>  Present solutions, in a variety of formats, to quantitative problems from a wide array of authentic contexts and everyday life situations.</p>	<p>Demonstrates outstanding or exemplary ability to apply the principles and methods of mathematics to solve quantitative problems. Provides accurate and comprehensive interpretation/analysis of quantitative information.  Presents solutions in format/s ideal to the context and situation.</p>	<p>Demonstrates clear ability to apply the principles and methods of mathematics to solve quantitative problems. Provides accurate interpretation/analysis of quantitative information.  Presents solutions in format/s especially suited to the context and situation</p>	<p>Demonstrates adequate or proficient ability to apply the principles and methods of mathematics to solve quantitative problems. Provides mostly accurate interpretation/analysis of quantitative information.  Presents solutions in format/s appropriate to the context and situation</p>	<p>Demonstrates inadequate or partially proficient ability to apply the principles and methods of mathematics to solve quantitative problems. Provides partially accurate interpretation/analysis of quantitative information.  Presents solutions in format/s somewhat appropriate to the context and situation</p>	<p>Demonstrates limited ability to apply the principles and methods of mathematics to solve quantitative problems. Provides inaccurate or incorrect interpretation/analysis of quantitative information.  Presents solutions but the format used is not a good fit to the context and situation</p>

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<p><b><u>KNOWLEDGE OF CULTURE, SOCIETY, AND THE NATURAL WORLD</u></b> Integrate concepts, principles, and methods from a variety of disciplines to apply to personal and professional endeavors.</p>	<p>Demonstrates outstanding or exemplary ability to integrate appropriate concepts, principles, and methods from a variety of disciplines (e.g., humanities, natural, social, and behavioral sciences) to personal and professional situations as required by the assignment.</p>	<p>Demonstrates clear ability to integrate appropriate concepts, principles, and methods from a variety of disciplines (e.g., humanities, natural, social, and behavioral sciences) to personal and professional situations as required by the assignment.</p>	<p>Demonstrates adequate or proficient ability to integrate appropriate concepts, principles, and methods from a variety of disciplines (e.g., humanities, natural, social, and behavioral sciences) to personal and professional situations as required by the assignment.</p>	<p>Demonstrates inadequate or partially proficient ability to integrate concepts, principles, and methods from a variety of disciplines (e.g., humanities, natural, social, and behavioral sciences) to personal and professional situations as required by the assignment.</p>	<p>Demonstrates limited ability to integrate concepts, principles, and methods from a variety of disciplines (e.g., humanities, natural, social, and behavioral sciences) to personal and professional situations as required by the assignment.</p>
<p><b><u>INFORMATION LITERACY</u></b> Identify, evaluate, and use valid information sources and content effectively and ethically.</p>	<p>Demonstrates outstanding selection of high quality, credible, and relevant sources. Utilizes the same to develop ideas that are appropriate to the assignment. Demonstrates ethical utilization of sources through varied strategies (e.g., citations and references, paraphrasing, summarizing, and quoting)</p>	<p>Demonstrates clear ability for comprehensive selection of credible, relevant sources. Fully utilizes the same to support ideas that are appropriate to the assignment. Demonstrates ethical use of sources through several strategies (e.g., citations and references, paraphrasing, summarizing, and quoting)</p>	<p>Demonstrates adequate selection of credible and relevant sources. For the most part utilizes the same to support ideas that are appropriate to the assignment. Demonstrates ethical utilization of sources through consistent use of strategies (e.g., citations and references, paraphrasing, summarizing, and quoting)</p>	<p>Demonstrates appropriate, but inadequate selection of sources. Demonstrates inadequate use of the sources selected to support ideas in the writing. Demonstrates ethical utilization of sources through minimal or inconsistent use of strategies (e.g., citations and references, paraphrasing,</p>	<p>Demonstrates inappropriate and inadequate selection and use of sources to support ideas in the writing. Demonstrates inadequate ethical utilization of sources.</p>

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				summarizing, and quoting)	
<p><b><u>INQUIRY AND ANALYSIS</u></b>  Apply a methodical research approach to gather evidence to assess problems, situations, and events.</p>	<p>Demonstrates a methodical research approach in gathering an outstanding selection of high-quality, credible, and relevant sources. Uses sources to develop sound evidence  Synthesizes evidence effectively to assess problems, situations, and events as required by the assignment</p>	<p>Demonstrates a methodical research approach and clear ability for comprehensive selection and use of credible, relevant sources to develop evidence gathered through  Uses evidence to assess problems, situations, and events as required by the assignment</p>	<p>Demonstrates a systematic research approach to adequately select and use credible or relevant sources to develop evidence  Uses evidence sufficiently to assess problems, situations, and events as required by the assignment</p>	<p>Demonstrates an unreliable research approach and inadequate selection and use of sources to develop evidence  Misuses evidence to assess problems, situations, and events as required by the assignment</p>	<p>Demonstrates an illogical research approach and inadequate selection and use of sources to develop evidence  Fails to use evidence to effectively or appropriately assess problems, situations, and events as required by the assignment</p>

Some elements and language in this rubric were adapted based on the American Association of Colleges and Universities (AAC&U) Written Communication Rubric Valid Assessment of Undergraduate Education (VALUE) Project  
<http://www.aacu.org/value/index.cfm>