



**College of Health Sciences  
Program Learning Outcomes (PLOs)**

**PLO 1: Core Sciences and Mathematics. Demonstrate knowledge of the core sciences and mathematics.**

Indicators	Initial	Developing	Developed	Proficient
1.1 Identify scientific and mathematical terms, facts, concepts, principles, theories, and methods	<ul style="list-style-type: none"> <li>Does not identify scientific and mathematical terms, facts, concepts, principles, theories, and methods</li> </ul>	<ul style="list-style-type: none"> <li>Correctly identifies a few scientific and mathematical terms, facts, concepts, principles, theories, and methods</li> <li>Student may misidentify some critical terms, facts, concepts, principles, theories, and methods</li> </ul>	<ul style="list-style-type: none"> <li>Correctly identifies most scientific and mathematical terms, facts, concepts, principles, theories, and methods</li> <li>Demonstrates the ability to discuss in context most scientific and mathematical terms, facts, concepts, principles, theories, and methods</li> </ul>	<ul style="list-style-type: none"> <li>Correctly identifies and thoroughly explains all relevant scientific and mathematical terms, facts, concepts, principles, theories, and methods in context</li> </ul>
1.2 Apply knowledge in order to analyze, create, and evaluate	<ul style="list-style-type: none"> <li>Does not apply knowledge in order to analyze, create, and evaluate</li> </ul>	<ul style="list-style-type: none"> <li>Attempts to apply knowledge yet makes mistakes that impede the ability to properly analyze, create, or evaluate</li> </ul>	<ul style="list-style-type: none"> <li>Generally applies knowledge in a way that enhances the ability to analyze, create and evaluate</li> </ul>	<ul style="list-style-type: none"> <li>Consistently applies knowledge appropriately that allows for thorough analysis, creation, and evaluation in context</li> </ul>
1.3 Communicate knowledge through writing, speech, or graphical representation	<ul style="list-style-type: none"> <li>Does not communicate knowledge through writing, speech, and graphical representation</li> </ul>	<ul style="list-style-type: none"> <li>Attempts to communicate, but misrepresents, misinterprets, or misunderstands knowledge or data</li> </ul>	<ul style="list-style-type: none"> <li>Communicates an adequate amount of knowledge in writing, speech, or graphical representation</li> </ul>	<ul style="list-style-type: none"> <li>Thoroughly communicates all relevant knowledge through writing, speech, or graphical representation leading to a thoughtful exchange of information</li> </ul>

**PLO 2: Arts and Humanities. Demonstrate understanding of how the arts and humanities enhance health, well-being, and healthcare practice and delivery.**

Indicators	Initial	Developin	Developed	Proficient
2.1 Describe and analyze and the way in which the arts and humanities have contributed to one's understanding of the human experience	<ul style="list-style-type: none"> <li>Does not describe the way in which the arts and humanities have contributed to one's understanding of the human experience</li> </ul>	<ul style="list-style-type: none"> <li>Does not sufficiently describe the way in which the arts and humanities have contributed to one's understanding of the human experience</li> </ul>	<ul style="list-style-type: none"> <li>Sufficiently describes the way in which the arts and humanities have contributed to one's understanding of the human experience; analyzes and articulates one's own understanding of the human experience</li> </ul>	<ul style="list-style-type: none"> <li>Thoroughly describes the way in which the arts and humanities have contributed to one's understanding of the human experience; thoroughly analyzes one's own understanding of the human experience and demonstrates ability to apply this understanding to contribute positively to the human condition</li> </ul>
2.2 Demonstrate understanding of how the arts can be utilized to optimize patients' well- being	<ul style="list-style-type: none"> <li>Does not demonstrate understanding of how the arts can be utilized to optimize patients' well-being</li> </ul>	<ul style="list-style-type: none"> <li>Demonstrate knowledge of some of the ways that the arts can be utilized to optimize patients' well-being</li> </ul>	<ul style="list-style-type: none"> <li>Demonstrates sufficient knowledge of multiple ways that the arts can be utilized to optimize patients' well-being</li> </ul>	<ul style="list-style-type: none"> <li>Demonstrates thorough knowledge of the ways that the arts can be utilized to optimize patients' well-being and creatively applies this knowledge to improve well-being and the practice and delivery of healthcare</li> </ul>

<p>2.3 Demonstrate understanding of the way in which the humanities helps one better understand societal and cultural challenges and the way in which such an understanding provides insight, enabling one to cope with a changing future</p>	<ul style="list-style-type: none"> <li>• Does not demonstrate understanding of the way in which the humanities helps one better understand societal and cultural challenges</li> </ul>	<ul style="list-style-type: none"> <li>• Demonstrate understanding of some ways in which humanities helps the understanding of societal and cultural challenges, but such an understanding only partially functions to inform one's insight to cope with a changing future</li> </ul>	<ul style="list-style-type: none"> <li>• Demonstrate understanding of various ways in which humanities helps one's understanding for societal and cultural challenges, and such an understanding only functions to inform one's insight to cope with a changing future but does not influence one's actions in a global context</li> </ul>	<ul style="list-style-type: none"> <li>• Demonstrate understanding of various ways in which humanities helps one's understanding for societal and cultural challenges and the way in which such an understanding informs one's insight to cope with a changing future and influences one's actions in a global context to better societal conditions</li> </ul>
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**PLO 3: Healthcare Delivery Systems. Demonstrate understanding of the collaborative nature of healthcare delivery.**

Indicators	Initial	Developing	Developed	Proficient
3.1 Demonstrate understanding of healthcare delivery systems parts and their respective relationships	<ul style="list-style-type: none"> <li>Does not demonstrate understanding of healthcare delivery systems parts</li> </ul>	<ul style="list-style-type: none"> <li>Demonstrates understanding of some parts of healthcare delivery systems but does not identify how they are related to each other</li> </ul>	<ul style="list-style-type: none"> <li>Demonstrates understanding of most major components of healthcare systems and their respective relationships</li> </ul>	<ul style="list-style-type: none"> <li>Demonstrates understanding of all major components of healthcare systems, their respective relationships, and their functions related to patient care</li> </ul>
3.2 Demonstrate understanding of the forces that influence individual parts of healthcare delivery systems and how they affect patient care	<ul style="list-style-type: none"> <li>Does not demonstrate understanding of the forces that influence components of the healthcare delivery system, including their connection to patient care</li> </ul>	<ul style="list-style-type: none"> <li>Demonstrates understanding of some forces that influence the parts of healthcare delivery systems, but demonstrates minimal understanding of their connection to patient care</li> </ul>	<ul style="list-style-type: none"> <li>Demonstrates understanding of the forces that influence the components of healthcare delivery systems, and demonstrates some understanding of their influence on the quality of patient care</li> </ul>	<ul style="list-style-type: none"> <li>Demonstrates thorough understanding of the forces that influence components of healthcare delivery systems and demonstrates full understanding of their influence and implications on the quality of patient care</li> </ul>
3.3 Demonstrate understanding of major challenges that affect delivery of healthcare	<ul style="list-style-type: none"> <li>Does not demonstrate understanding of any challenges to systems that affect healthcare delivery</li> </ul>	<ul style="list-style-type: none"> <li>Demonstrates understanding of some challenges that can affect delivery of healthcare</li> </ul>	<ul style="list-style-type: none"> <li>Demonstrates understanding of most challenges that can affect delivery of healthcare, but does not demonstrate complete comprehension of the effects</li> </ul>	<ul style="list-style-type: none"> <li>Demonstrates understanding of pertinent challenges to specific aspects of healthcare delivery by demonstrating abilities to thoroughly discuss the implications for the appropriate parts of health care delivery systems</li> </ul>

<p>3.4 Demonstrate understanding of how to work with the different subsystems to deliver healthcare</p>	<ul style="list-style-type: none"> <li>• Does not demonstrate understanding of how to work with different subsystems to deliver healthcare</li> </ul>	<ul style="list-style-type: none"> <li>• Demonstrates some understanding of how to work with different subsystems and how they function to deliver healthcare, but demonstrates minimal awareness or understanding of one's own role within the healthcare delivery system</li> </ul>	<ul style="list-style-type: none"> <li>• Demonstrates understanding of how to work with different subsystems and how they function to deliver healthcare and demonstrates some understanding of one's role within the healthcare delivery system, but does not necessarily demonstrate application of knowledge in a manner that maximizes the quality of healthcare</li> </ul>	<ul style="list-style-type: none"> <li>• Demonstrates thorough understanding of how to work with different subsystems involved while also demonstrating understanding of one's role within the subsystems, and demonstrate appropriate application of knowledge in a manner that maximizes the quality of healthcare</li> </ul>
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## PLO 4: Professional Interaction. Communicate with respect, empathy, and cultural competence.

Indicators	Initial	Developing	Developed	Proficient
4.1 Demonstrate professional communication and interactions with patients and the community	<ul style="list-style-type: none"> <li>Does not demonstrate communication and interactions that convey respect or concern for patients and the community.</li> </ul>	<ul style="list-style-type: none"> <li>Demonstrate communication and interactions characteristic of a minimal level of respect, and little concern for patients and the community is apparent through use of some appropriate communication, but student does not employ follow-up questions for clarification, when necessary, and student provides inappropriate detail in responses</li> </ul>	<ul style="list-style-type: none"> <li>Demonstrate appropriate communication and interactions that are characteristic of a basic level of respect, and concern for patients and the community is apparent through use of appropriate communication, where student uses some clear, but not necessarily relevant or detailed, follow- up questions and responses</li> </ul>	<ul style="list-style-type: none"> <li>Demonstrate professional communication and interactions by showing empathy, respect, and concern for patients and the community through use of appropriate communication where follow- up questions (as needed) and responses are clear, relevant, and detailed</li> </ul>
4.2 Demonstrate respectful and responsive behaviors towards health beliefs and practices of diverse patients	<ul style="list-style-type: none"> <li>Does not demonstrate an awareness of customs, beliefs, or perspectives in diverse patients</li> </ul>	<ul style="list-style-type: none"> <li>Demonstrate a minimal level of awareness of customs, beliefs, or perspectives in diverse patients</li> </ul>	<ul style="list-style-type: none"> <li>Demonstrate awareness of customs and beliefs, but may not clarify with patients about personal perspectives</li> </ul>	<ul style="list-style-type: none"> <li>Demonstrate awareness of customs, beliefs, or perspectives in diverse patients</li> <li>Asks appropriate questions to clarify perspectives and perceptions in diverse patients</li> </ul>
4.3 Demonstrate awareness and responsiveness to the cultural and linguistic needs of diverse patients	<ul style="list-style-type: none"> <li>Does not demonstrate awareness of cultural and linguistic needs of patients in order to communicate health information</li> </ul>	<ul style="list-style-type: none"> <li>Demonstrate minimal awareness of cultural and linguistic needs of patients; either does not or only attempt to adapt behaviors, but does so ineffectively, to communicate health information</li> </ul>	<ul style="list-style-type: none"> <li>Demonstrate awareness of the cultural and linguistic needs of diverse patients, and adapt behaviors to communicate health information, but communication may not be effective</li> </ul>	<ul style="list-style-type: none"> <li>Demonstrate full awareness of and responsiveness to cultural and linguistic needs of diverse patients by adapting behaviors appropriately in order to effectively communicate health information</li> </ul>

**PLO 5: Social Accountability and Community Service. Acts with social accountability and demonstrates commitment to community service.**

<b>Indicators</b>	<b>Initial</b>	<b>Developing</b>	<b>Developed</b>	<b>Proficient</b>
5.1 Demonstrates accountability for actions	<ul style="list-style-type: none"> <li>Does not demonstrate accountability for own actions</li> </ul>	<ul style="list-style-type: none"> <li>Demonstrates accountability for some actions, such as those contributing to successes, but generally attempts to hold others responsible for failures</li> </ul>	<ul style="list-style-type: none"> <li>Demonstrates accountability for actions by taking ownership in the outcomes, both failures and successes, but may not necessarily initiate actions to remedy failures</li> </ul>	<ul style="list-style-type: none"> <li>Demonstrates accountability for actions by taking ownership of the outcomes, both failures and successes, by initiating actions to remedy failures</li> </ul>
5.2 Contributes to the betterment of the community and surroundings	<ul style="list-style-type: none"> <li>Does not participate in projects to better the community or surroundings</li> </ul>	<ul style="list-style-type: none"> <li>Participates in projects solely designed by others but takes little initiation to offer input that contributes to the short-term or long-term improvement of the community</li> </ul>	<ul style="list-style-type: none"> <li>Engages in projects mostly designed by others, but also offers input as needed to better the community in a manner that takes into account both its short-term and long-term interests</li> </ul>	<ul style="list-style-type: none"> <li>Designs and implements projects by offering effective input as needed to better the community in a manner that takes into account both its short-term and long-term interests</li> </ul>
5.3 Participates in community service events	<ul style="list-style-type: none"> <li>Does not participate in community service events in any way</li> </ul>	<ul style="list-style-type: none"> <li>Is present at but does not participate in events to the extent where efforts serve to benefit the community</li> </ul>	<ul style="list-style-type: none"> <li>Actively participates in events where efforts largely function to benefit the community</li> </ul>	<ul style="list-style-type: none"> <li>Leads or coordinates events where efforts function to not only benefit but promote the community</li> </ul>