

IUPUI PRINCIPLES OF UNDERGRADUATE LEARNING

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Core Communication and Quantitative Skills

[Definition:] The ability of students to express and interpret information, perform quantitative analysis, and use information resources and technology--the foundational skills necessary for all IUPUI students to succeed.

[Outcomes:] Core communication and quantitative skills are demonstrated by the student's ability to

- a. express ideas and facts to others effectively in a variety of formats, particularly written, oral, and visual formats;
- b. comprehend, interpret, and analyze ideas and facts;
- c. communicate effectively in a range of settings;
- d. identify and propose solutions for problems using quantitative tools and reasoning;
- e. make effective use of information resources and technology.

Critical Thinking

[Definition:] **STILL PENDING - The ability of students to use a wide range of cognitive skills to reach informed decisions.**

[Outcomes:] Critical thinking is demonstrated by the student's ability to

- a. use acquired knowledge to understand new concepts;
- b. apply knowledge to practical situations and make informed decisions;
- c. analyze complex concepts logically and from multiple perspectives;
- d. synthesize information and arrive at reasoned conclusions;
- e. evaluate the logic, validity, and relevance of data and conclusions.

Integration and Application of Knowledge

[Definition:] The ability of students to use information and concepts from studies in multiple disciplines in their intellectual, professional, and community lives.

[Outcomes:] Integration and application of knowledge are demonstrated by the student's ability to

- a. enhance their personal lives;
- b. meet professional standards and competencies;
- c. further the goals of society; and
- d. work across traditional course and disciplinary boundaries.

Intellectual Depth, Breadth, and Adaptiveness

[Definition:] The ability of students to examine and organize disciplinary ways of knowing and to apply them to specific issues and problems.

[Outcomes:] Intellectual depth, breadth, and adaptiveness are demonstrated by the student's ability to

- a. show substantial knowledge and understanding of at least one field of study;
- b. compare and contrast approaches to knowledge in different disciplines;
- c. modify one's approach to an issue or problem based on the contexts and requirements of particular situations.

Understanding Society and Culture

[Definition:] The ability of students to recognize their own cultural traditions and to understand and appreciate the diversity of the human experience.

[Outcomes:] Understanding society and culture is demonstrated by the student's ability to

- a. compare and contrast the range of diversity and universality in human history, societies, and ways of life;
- b. analyze and understand the interconnectedness of global and local communities; and
- c. operate with civility in a complex world.

Values and Ethics

[Definition:] The ability of students to make sound decisions with respect to individual conduct, citizenship, and aesthetics.

[Outcomes:] A sense of values and ethics is demonstrated by the student's ability to

- a. make informed and principled choices and to foresee consequences of these choices;
- b. explore, understand, and cultivate an appreciation for beauty and art;
- c. understand ethical principles within diverse cultural, social, environmental and personal settings.