

University Core Curriculum Subcommittee 4/3/07
Undergraduate Education Committee 9/24/07
Faculty Council 11/1/07
University Senate 11/29/07
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Ball State University Core Curriculum for the 21st Century as Amended and Approved by Undergraduate Education Committee September 24, 2007

A. Preamble: Core Goals for Undergraduate Education

(Recommended by Task Force I and approved by University Senate on 2/26/04.)

Graduates of Ball State University are individuals who realize their intellectual potential, who seek to add breadth and depth to their perspectives, and who maintain their physical well-being.

Graduates of the university command extensive knowledge and a mature repertoire of cognitive, practical, and technological skills. They exhibit integrity and responsible action in their social, professional, and civic lives. They respect the histories, cultures, and needs of others. They inform their decisions through critical, creative, and scientific reasoning, and they discern the consequences of their decisions and actions at the local, national, and global levels. They acknowledge responsibility for environmental well-being and for the civic engagement that a diverse democracy requires.

Employing scientific, critical, and creative thinking, Ball State graduates transform

Experience into **information** (*isolate discrete, recognizable and usable facts*),
Information into **knowledge** (*analyze facts within an intellectual framework, discover meaning in experience*),
Knowledge into **judgment** (*reflect on knowledge gained to make choices and direct what they think, say and do*),
Judgment into **action** (*take individual responsibility and contribute to the well-being of their communities*).

To achieve this vision and accomplish these transformations, student learning experiences are guided by a recursive, intellectual development process inherent in the following goals:

- 1. To transform experience into information, Ball State graduates are intentional learners who**
 - accurately observe and measure elements of the natural and social worlds,
 - are alert to the importance of context,
 - explore diverse ways of knowing,
 - develop strategies for reflecting on experience.
- 2. To transform information into knowledge, Ball State graduates are informed,**

flexible thinkers who

- analyze data to reveal existing patterns of information and to create new patterns;
- understand the various ways that information is incorporated into branches of knowledge;
- work independently as well as collaboratively to generate knowledge;
- develop an intellectual framework with which to synthesize information from multiple sources;
- adapt their intellectual framework to accommodate new information;
- develop the art of communication—oral, visual, and written--in more than one language (natural and/or symbolic).

3. To transform knowledge into judgment, Ball State graduates are critical and creative thinkers who

- use multiple sources of information and knowledge in forming judgments;
- evaluate strengths and weaknesses of arguments and actions;
- understand the ethical implications of possessing and using knowledge;
- take an inquiring stance toward the world while appreciating the contributions of tradition;
- consider and understand others' values as well as their own;
- value diversity in the social and natural world;
- develop effective decision-making strategies based on an awareness of their own strengths and weaknesses;
- understand how their actions affect the complex, interrelated systems that compose our environment.

4. To transform judgment into action, Ball State graduates are responsible learners who

- recognize the responsibilities of an educated person to self, family, community, country, and the world;
- accept the responsibility to act on their principles;
- adapt to change;
- work with others to overcome obstacles to communication, building consensus for action;
- communicate effectively—in oral, visual, and written modes, and in more than one language (natural and/or symbolic);
- adopt habits of mind for continuous inquiry about themselves, others, and the world;
- act responsibly given the dangers to and the fragility of the natural environment;
- make and act on a commitment to health and wellness.

B. Rationale for the Proposed University Core Curriculum for the 21st Century (UCC-21)

In keeping with the recursive nature of learning transformations and the goals stated in the Preamble, Task Force II has designed a core curriculum that enables students to

- realize their intellectual potential,
- add breadth and depth to their educational experience,
- increase their personal well-being, and
- participate actively in their communities.

Moreover, the University recognizes its responsibility to ensure that students are conversant with ways of knowing, with criteria for judgment, and with types of information outside their majors. To succeed in the 21st Century, where work often requires a group effort by experts from multiple disciplines, university graduates will need to form, lead, or be members of problem-solving, brainstorming, or decision-making teams in a wide variety of professional settings. Thus the core curriculum requires students to engage disciplines outside the domains of knowledge in which their majors reside, to develop skills in written and oral communication, to become mathematically, scientifically, and historically literate, and to understand issues in the areas of physical wellness and personal finance. Any forward-looking curriculum must also address the mounting issues, problems, and opportunities in the areas of civic engagement, diversity, and international and environmental awareness.

The proposed UCC-21 has six distinguishing features:

- **Intellectual development:** As indicated in the Preamble, UCC-21 courses must have intellectual development goals, not simply content area requirements.
- **Exposure to multiple domains:** The UCC-21 ensures that students will be able to distinguish among domains of knowledge based on their specific epistemologies and methods, as well as on the basis of content.
- **Integration of 21ST Century skills:** In addition to developing writing skills beyond those of the required course in English composition, the UCC-21 asks students to engage issues related to civic life, diverse cultures, and the environment, not in separate courses for each of these areas, but in courses that address one or more of these areas either inside or outside the major, inside or outside the UCC-21. (See *WISER-Plus* courses, p. 4.)
- **Integration of Core courses and the major:** The UCC-21 allows coursework in the major to count for as many as six hours in the Core as long as the courses in the major meet learning transformation requirements.
- **Experiential/immersion experience or similar learning experience:** The UCC-21 envisions that students will demonstrate the ability to work successfully in the major (and related areas, as appropriate) through experiences that are cumulative and integrative, that include individual or collaborative reflective components, and that provide an opportunity to communicate, both orally and in writing, at a level expected of a college graduate.
- **Learning outcomes:** The UCC-21 encourages participation by any department in the university because the acceptability of courses for the core depends on learning outcomes, ~~not~~ *as well as* course content. (UEC 9/17/07)

C. Requirements of the Proposed Undergraduate University Core Curriculum (UCC-21)

Tier 1 (27 hrs.)

Students will complete one course from each area identified below under ***Foundation*** and one from each area under ***Domains***. Tier 1 focuses on the first two transformations in the intellectual development process given in the Preamble (*Experience into Information and Information into Knowledge*).

Foundation

- Written communication (3)
- Oral communication (3)
- Mathematics (3)
- History (3)
- Physical Wellness (2)
- Personal Finance (1)

Domains

- Fine Arts (3)
- Humanities (3)
- Natural Sciences (3)
- Social Sciences (3)

It is assumed that departments can, in the main, classify courses within one of the four domains in both Tier 1 and Tier 2. For departments that are interdisciplinary, it is assumed that each course they wish to offer will fit roughly within one of the domains. This assumption does not grant primacy to the traditional domains; it is merely an organizing structure.

Tier 2 (12 hrs.)

Students will complete one course in each of the four ***Domains*** indicated below. Courses in Tier 2 must move students through the third transformation (*Knowledge into Judgment*) in the intellectual development process and must carry at least one WISER-***Plus*** designation.

Domains

- Fine Arts/Design (3)
- Humanities (3)
- Natural Sciences (3)
- Social Sciences (3)

Tier 3 (No UCC hrs)

Students will complete capstone courses or immersion experiences, or similar learning experiences (e.g., internship, clinical work, student teaching, field work, study abroad, etc.) that require them to demonstrate the ability to move from *Experience* or *Information* through to *Action*. In addition, students must demonstrate their capability to write at a level of competence appropriate for college graduates. It is strongly recommended that faculty provide students with the opportunity to present their work orally and to reflect on their intellectual and personal development in Tier 3 experiences.

WISER-Plus Courses (from UCC subcommittee 2007)

Students must complete at least one course in each area identified below. It will be possible for a single course to meet more than one requirement, although no course will carry more than three WISER-Plus designations. A course listed under Tier 1, Tier 2, or Tier 3 may carry one or more WISER-Plus designation if the course fulfills the learning objectives. Courses in the Foundation do not carry WISER-Plus designations. All Tier 2 courses must carry at least one WISER-Plus designation. Courses not within Tier 1, Tier 2 or Tier 3 may carry Wiser-Plus designations.

- Writing (Tier 2 or Tier 3) (W)
- International Awareness (I)
- Service and Civic Engagement (S)
- Environmental Awareness and Sustainability (E)
- Respect for Human Liberty and diversity among peoples and cultures (R) (UEC 9/24/07)
- Technological Literacy (T)
- American Institutions and/or History (A) (UEC 9/24/07)

PRINCIPLES RELEVANT TO:

- DEPARTMENTS PREPARING *FOUNDATION* AND *DOMAINS* COURSES
- THE UNDERGRADUATE EDUCATION COMMITTEE
- THE UNIVERSITY CORE CURRICULUM SUBCOMMITTEE

(1) Transformational goals

(a) No course will be approved as a *Foundations* course, nor as a Tier 1 or Tier 2 *Domains* course, unless it guides students through the transformational goals

Experience -> Information -> Knowledge -> Judgment -> Action

or the appropriate subcollection of these transformations.

(b) Students' collective experience of how these transformations are manifested, in a variety of academic disciplines, is critical in achieving the desired learning outcomes of UCC-21. The varying methodologies, epistemologies, and applications of academic disciplines are intended to lead to *diverse* experiences.

(c) It is the right and the responsibility of Departments proposing courses, to interpret the transformations in the context of their specific disciplines, and to present these interpretations clearly to UEC and the UCC subcommittee.

(d) The UCC Task Force 1 provided important clarifying statements regarding these transformations (see the bulleted points under numbers 1—4 in part A of this document). It is acknowledged that these clarifying statements have varying degrees of applicability to academic disciplines. It is also acknowledged that in some disciplines, important aspects of the transformations E -> I -> K -> J -> A may not be highlighted already in the list of clarifying statements.

(2) Course content

(a) Courses in UCC-21 are expected to contribute to the UCC Task Force 1's vision for the undergraduate education of students at Ball State University: "Graduates of the university command extensive knowledge and a mature repertoire of cognitive, practical, and technological skills."

(b) It is anticipated that many UCC-21 *Foundations* and *Domains* classes will be expressly designed as courses for non-majors. The design of such courses allows for considerable latitude in the selection of course content through which the transformational goals will be accomplished. It is assumed that the content will be selected to highlight ideas that have paramount importance in the discipline.

(c) It is also anticipated that many UCC-21 *Foundations* and *Domains* classes will serve as required or elective courses in the major programs of some students. The selection of content in the design of these courses may be constrained by competing demands. Such courses are acceptable as UCC-21 *Foundations* and *Domains* courses, provided that the transformational goals are addressed in a substantive way, both in class time and in student assessment.

(d) Since students' intellectual development associated to the transformational goals is integral to UCC-21, courses in which student assessment is primarily "recall of isolated factual information" are inappropriate as *Foundations* or *Domains* courses.

(3) Academic standards

(a) In light of UCC Task Force 1's admonition, "Graduates of Ball State University are individuals who realize their intellectual potential," it is expected that *Foundations* and *Domains* classes will be academically rigorous and challenging. This will be reflected in an appropriate level of sophistication in the transformational goals (as applied to the discipline), and in expectations of meaningful student achievement in earning credit for any UCC-21 course.

Operating Assumptions for UCC-21

In developing UCC-21, the University Core Curriculum-Task Force II has made the following operating assumptions:

1. In a given domain, a Tier 1 course must be taken before a Tier 2 course may be taken. The pedagogy of Experience to Action makes such a requirement necessary.
2. UCC Courses may have pre-requisites.
3. Foundation courses will have no WISER-*Plus* designation.
4. Tier 2 courses must carry at least one WISER-*Plus* designation.
5. Courses approved for a tier may include transformational goals beyond those specified for that tier.
6. The units responsible for Foundation courses are the following:
 - a. Written Communication—Department of English
 - b. Oral Communication—Department of Communication Studies
 - c. Mathematics—Department of Mathematical Sciences
 - d. History—Department of History
 - e. Physical Wellness—CAST
 - f. Personal Finance—MCOB, CAST, CSH
7. To conform to their unique expectations, modifications or exceptions may be needed for students in the Honors College or in the prison system.

8. It is assumed that the UCC-Subcommittee will be flexible with departments in approving a variety of experiences for Tier 3.
9. It is assumed that students' ability to work in interdisciplinary contexts will be developed in some of the WISER-*Plus* courses.
10. *A Student may count up to six credit hours from the department housing his/her major towards the Core Curriculum, as long as the courses in the major have been approved as meeting core transformation goals. For example, English majors may count up to six hours of courses with the ENG prefix, philosophy majors courses with the PHIL prefix, etc. Should the majors include other prefixed courses they would not fall under this limitation. (UEC 9/10/07)*
11. *The Core Curriculum will include multiple measures of assessment. The assessment process will be outcomes based and used for program improvement. (UEC 9/24/07)*
12. *The Core Curriculum permits learners to test out of any Tier 1 or Tier 2 Core course and receive WISER-Plus designation(s) if appropriate. (UEC 9/24/07)*