I. TITLE: Advanced Instructional Technology in Special Education

II. COURSE DESCRIPTION: Advanced Instructional Technology in Special Education is a course designed to develop deeper understanding of methods, techniques, and application of technology for meeting the needs of children and youth with disabilities. A variety of hardware, software, and peripheral devices are identified to increase instructional effectiveness.

III. PURPOSE: The course is designed to provide a study of the use of technology in special education.

IV. COURSE OBJECTIVES: Class activities will be centered on the attainment of the course objectives listed below. These objectives are understood to be reflective of, but not limited to those behaviors advocated by the Kentucky Education Reform Act guidelines and initiatives. Following each objective, and enclosed in parentheses, are numbers which reference the Kentucky Teacher Standards for Preparation and Certification (KTS) addressed by that objective. Upon successful completion of this class, the student will be able to:

A. Identify, evaluate, and utilize microcomputer hardware, peripheral devices, software, and applicable operating systems for use with students with disabilities. (1, 4, 6)
B. Plan and evaluate the integration of technology into the curricula for students with disabilities. (1, 2, 4, 6)
C. Describe adaptations (assistive/alternative options) associated with microcomputers to facilitate accessibility by students with disabilities. (2, 3, 6, 8, 10)
D. Identify and describe assistive technology devices utilized to facilitate accessibility and enhance the educational experience by students with disabilities. (1, 2, 6)
E. Demonstrate ability to access a variety of websites. (1, 4, 6)
F. Demonstrate ability to develop a presentation using PowerPoint. (2, 4, 6, 10)
G. Demonstrate use of word processing (Microsoft Word). (2, 4, 6, 10)
H. Demonstrate the use of spreadsheets (Microsoft Excel). (5, 6, 10)

The COE Theme of the Educator as a Reflective Decision-Maker is addressed in this course through class discussions of state and federal statutes and regulations, topical paper, and through personal reflections in various assignments.

The EPSB Themes of Diversity, Assessment, Literacy/Reading, and Closing the Achievement Gap are explored in the course through the various class and on-line discussions of IDEA (Individuals with Disabilities Education Act) 2004 and how assistive technology addresses the issues faced by students with disabilities.

V. CONTENT OUTLINE:
A. Empowerment through Technology
B. Universal Design for Learning
C. Technology Across the Curriculum
D. Computerized IEP’s (STI and SETs)
E. Assistive Technology (switches, software applications, hardware)
F. Individual Interventions
G. Software Evaluation
H. Hardware Evaluation
I. Peripheral Devices
J. The Internet
K. Web Search Strategies
L. Planning for Technology Access

VI. INSTRUCTIONAL ACTIVITIES:
A portfolio entry addressing Kentucky Teacher Standards 2 and 6 is required. The instructional format will be lecture/discussion, hands-on activities, demonstration, web-based assignments, and projects.

VII. FIELD, CLINICAL, AND/OR LABORATORY EXPERIENCES:
None

VIII. RESOURCES:
Resources to be used in conjunction with this course include but not limited to:
A. Student and Faculty Computer Labs
B. Productivity Software
C. MSU Waterfield Library
D. Internet Resources
E. Journals (hard copy and electronic)
F. Blackboard E-Study Center

IX. GRADING:
A. Course Requirements:
   Special Education Technology / Assistive Technology Paper .......100 pts.
   Web Based Assignments.........................................................200 pts.
   Web Site Directory (50 web sites minimum) ............................100 pts.
   Four (4) Journal Article Reviews regarding special education technology and/or adaptive/assistive technology (50pts ea.).........100 pts.
   Total Points.............................................................................600pts.

B. Evaluation
   The following departmental grading scale will be used to compute the final grade.

   Grade          Percentage
   A.........................90 to 100%
   B.........................80 to 89%
   C.........................70 to 79%
D..........................60 to 69%
E........................below 59%

X. ATTENDANCE POLICY:
This course adheres to the policy published in the MSU Graduate Bulletin.
Students are expected to be on time, attend all class meetings, and to stay the entire class period. Any variation of this expectation must be cleared with the instructor prior to class, preferably by e-mail. To receive points for class discussion, students must be present for each regularly scheduled class meeting unless excused prior to a class meeting as defined in the current MSU Graduate Bulletin.

XI. ACADEMIC HONESTY POLICY:
This course adheres to the academic honesty policy stated in the current MSU Graduate Bulletin.
Note: Faculty reserve the right to invalidate any examination or other evaluative measure if substantial evidence exists that the integrity of the work has been compromised.

XII. TEXT AND REFERENCES:
No Text. However, there will be extensive use of internet resources and hands-on activities.

XIII. PREREQUISITES:
None

XIV. STATEMENT OF AFFIRMATIVE ACTION AND EQUAL OPPORTUNITY:
Murray State University does not discriminate on grounds of race, color, gender, sexual orientation, religion, national origin, age, disability, or veteran's status in providing any educational or other benefits services of Murray State University to students or those applying for admission at Murray State University. Murray State University attempts to provide equal opportunity in all areas of student admissions, financial aid, employment, and placement and provides, upon request, reasonable accommodation including auxiliary aids and services necessary to afford individuals with disabilities an equal opportunity to participate in all programs and activities. For information regarding nondiscrimination policies contact the Office of Equal Opportunity, 270-809-3155. policies contact the Office of Equal Opportunity, 270-809-3155.