



Course Syllabus

<u>EDTC 5030-01 SPED 5220-02</u>	<u>Robin Heimos</u>	<u>/ rheimos@earthlink.net</u>
COURSE NUMBER AND SECTION	<u>Chris Reinhard</u>	<u>/ chris@milesplace.com</u>
	INSTRUCTOR	E-MAIL ADDRESS

<u>Topics in Classroom Technologies: Assistive Technology</u>	<u>Summer</u>	<u>/ 2</u>
<u>Topics in Special Education: Assistive Technology</u>	TERM	/ CREDIT HOURS
COURSE TITLE		

Off Campus - 12110 Clayton Rd., Town & Country, 63131
SITE

1. Course Description: (provide details of student focus, rationale, scope, and prerequisites)

This course explores Assistive Technology (AT) for students with disabilities. Topics will include: the definition of AT and legal mandates, a framework for considering AT needs of students, and an overview of hardware and software to enhance and support student learning.

2. Learning Outcomes: (goals, objectives, course outcomes, etc.) Identify any MOSTEP or professional standards that are met by each learning outcome.

Upon completion of this course, the student will be able to:

- a. summarize the IDEA definition of AT and its implications on classroom instruction and the IEP process (MO-STEP 1.2.11.6)
- b. choose appropriate AT for students using a framework for consideration (ISTE II C & VI E)
- c. identify a variety of no tech, low tech, and high tech hardware and software for a student, based on student needs and abilities (MO-STEP 1.2.11.1)
- d. plan for integration of AT in the curriculum/IEP objectives (MO-STEP 1.2.11.2, ISTE II D, & ISTE III B)
- e. evaluate the effectiveness of the AT strategies and tools when implemented
- f. identify resources for obtaining support and information regarding AT (ISTE I B)

3. Schedule of required readings, class preparations and assignments, lectures, discussions, student presentations, out-of-class assignments and exams.

Week 1 June 2	Class introduction Legal mandates and definition of AT Frameworks for consideration <ul style="list-style-type: none">▪ Read for week 2: Bryant & Bryant Chapters 1, 3, & 6
Week 2 June 9	Adaptations for improving computer access No tech and low tech devices to support learning <ul style="list-style-type: none">➤ Topic Project # 1 due▪ Read for week 3: Bryant & Bryant Chapters 4 & 9
Week 3 June 16	Technology for students with vision and hearing impairments Technology for students with orthopedic impairments <ul style="list-style-type: none">➤ Topic Project # 2 due• Read for week 4: Bryant & Bryant, Chapter 5• Read for week 4: QIAT Indicators by QIAT Consortium (provided by instructors)
Week 4 June 23	Augmentative Communication, QIAT Indicators, Evaluating Effectiveness <ul style="list-style-type: none">➤ Topic Project # 3 due• Read for week 5: Bryant & Bryant, Chapter 7• Read for week 5: The Beginning Literacy Framework, by Don Johnston, Inc. (provided by instructors)
Week 5 June 30	Technology for supporting literacy Providing access to written material <ul style="list-style-type: none">➤ Topic Project # 4 due
Week 6 July 7	Technology for supporting literacy Adapting written expression activities <ul style="list-style-type: none">➤ Topic Project # 5 due
Week 7 July 14	Technology to support math Technology to support study skills <ul style="list-style-type: none">➤ Topic Project # 6 due
Week 8 July 21	Final Exam

The Missouri Show-Me Standards are addressed within the content of this course. Identification of specific standards are included within course assignments. Integration of Missouri Assessment Program (MAP) standards and grade levels will be integrated into this course when appropriate.

4. Resources:

Text(s):

Bryant, D. & Bryant, B. (2002). Assistive technology for people with disabilities. Allyn & Bacon.

Reed, P. R. (2001). A resource for teachers and administrators about assistive technology. Wisconsin Assistive Technology Initiative. (provided by instructors)

5. EVALUATION: (basis of evaluation with explanation regarding the nature of the assignment and the percentage of the grade assigned to each item below)

a) 6 Topic Projects (100 pts ea.)	600 points
b) Class Participation (25 points per class)	200 points
c) Final Exam	<u>200 points</u>
	1000 points total

Class participation is mandatory. If you miss a class, you are responsible for contacting one of the instructors before the start of the class. Students who do not complete the requirements of the course must contact the instructor prior to the end of the course to complete an incomplete form; otherwise, a NC will be issued.

Assignments which are not handed in by the deadline listed will be penalized by 10 points for each class period they are late, unless previous arrangements are made with one of the instructors.

- This syllabus is subject to change at the discretion of the instructor.*
- Regular class attendance is required.*