Holy Cross of Davao College  
Sta. Ana Avenue, Davao City  

Bachelor of Science in Secondary Education  
Bachelor of Science in Elementary Education  

COURSE OUTLINE

I. Course No. : Educ 26  
Credit:  3 units

II. Course Title: Ed Tech 2  
Pre-requisite: Ed Tech 1

III. Course Description: 
This course emphasizes traditional and contemporary technologies in Education to facilitate and foster meaningful and effective learning. Students are expected to demonstrate a sound of the various types of educational technologies. The course, likewise, will focus on developing teaching aid and the strategy in teaching.

IV. Course Objectives:

Cognitive (Knowledge) 
1. Explain the advantages and disadvantages of traditional and innovative technologies in enhancing the teaching-learning process.  
2. Cite examples of innovative technology and its important application.

Affective (Attitude) 
1. Create an innovative learning experience among students the technological application of media materials and equipment  
2. Show technological literacy with global competitiveness.  
3. Assimilate and articulate the desired core values of the institution (and of the course itself.)

Psychomotor (Skills) 
1. Produce appropriate technology tools for instruction  
2. Apply the instructional media components and recognize its valuable importance and ensure well-balanced applications to lesson presentation.

V. Course Outline

<table>
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<tr>
<th>Content</th>
<th>Number of Hours</th>
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A. Learning with traditional technology
1. Learning Center  
2. Traditional Media  
   2.1. Printed Materials  
   2.2. Display Surfaces  
3. Exhibit and alternative activities  
   3.1. Field trip  
4. Visual Educational materials
4.1. Non-projected materials
4.2. Projected materials
5. Familiarization with the Various Types of Alternative Delivery System
   5.1. Hearing and listening skill
   5.2. Developing listening skills
   5.3. Audio formats
   5.4. Producing materials on cassette toper
   5.5. Using audio file in multi-media
6. Video materials
   6.1. Video Formats
   6.2. Integration of Cognitive Skills/Virtual Field Trips Dramatization
   6.3. Stager of Video Production

B. Evaluation and Development of ICT in Education
   1. Information and communication technology in education
   2. Leads education through information technology
   3. Information and communication technology in the Philippine educational system
   4. Managing IT in the classroom
C. The Instructional Role and Functions of Computer
   1. Role of Computer
   2. Application of Computer in Education
   3. Integrating the Computer into the curriculum
   4. Computer and aid to technology
D. Undertaking the Nature of Instructional Software
   1. Undertaking Educational Media
   2. It Integrated Learning system
      2.1. Multi-media kit
      2.2. Hyper media
      2.3. Interactive media
      2.4. Virtual Reality
      2.5. Expert system
E. The Internet as an Instructional Tool
   1. The internet as an resource materials for technology
   2. Internet is education
   3. on-line learning
F. Familiarization with the Various types of alternative Delivery System
   1. Distance Education
   2. Audio Conferencing
   3. Broadcast Radio
   4. Audio graphic teleconference
   5. Television in distance Education
   6. Online Technologies
G. Design and Development of Educational Multimedia Application
   1. Multimedia approach to learning
   2. Multimedia system
H. Guidelines on the Selection and Effective Utilization of
   Educational technology tools and resources
   1. Evaluation criteria common to all instructional software material
   2. Appropriateness and accuracy
3. Screen presentation and design
4. Credibility and authenticity
5. Computer hardware basic components

I. Evaluation of ICT based Instructional Resources
   1. Evaluating computer based educational Resources
   2. Trends in technology and media

   Total No. of hours 54 hrs

VI. References

A. Books


B. Web Resources

Ref 9 – Valino, A. (2012). Educational technology 2: the computer as a tutor
   www.slideshare.net/.../educational-technology-2-the-computer-as-a-tutor
Ref 10 – An overview: Educational technology 2.