

# 2005 CTS AMENDMENTS to the Communication Technology Guide to Standards and Implementation

## Summary of Curriculum Changes

Course withdrawal:

- COM3010: Presentation & Communication 3

### Section B

- **Remove** page B.5 (Revised 2004) and **replace** with new page B.5 (Revised 2005).
- **Remove** page B.7 (Revised 2002) and **replace** with new page B.7 (Revised 2005).

### Section F

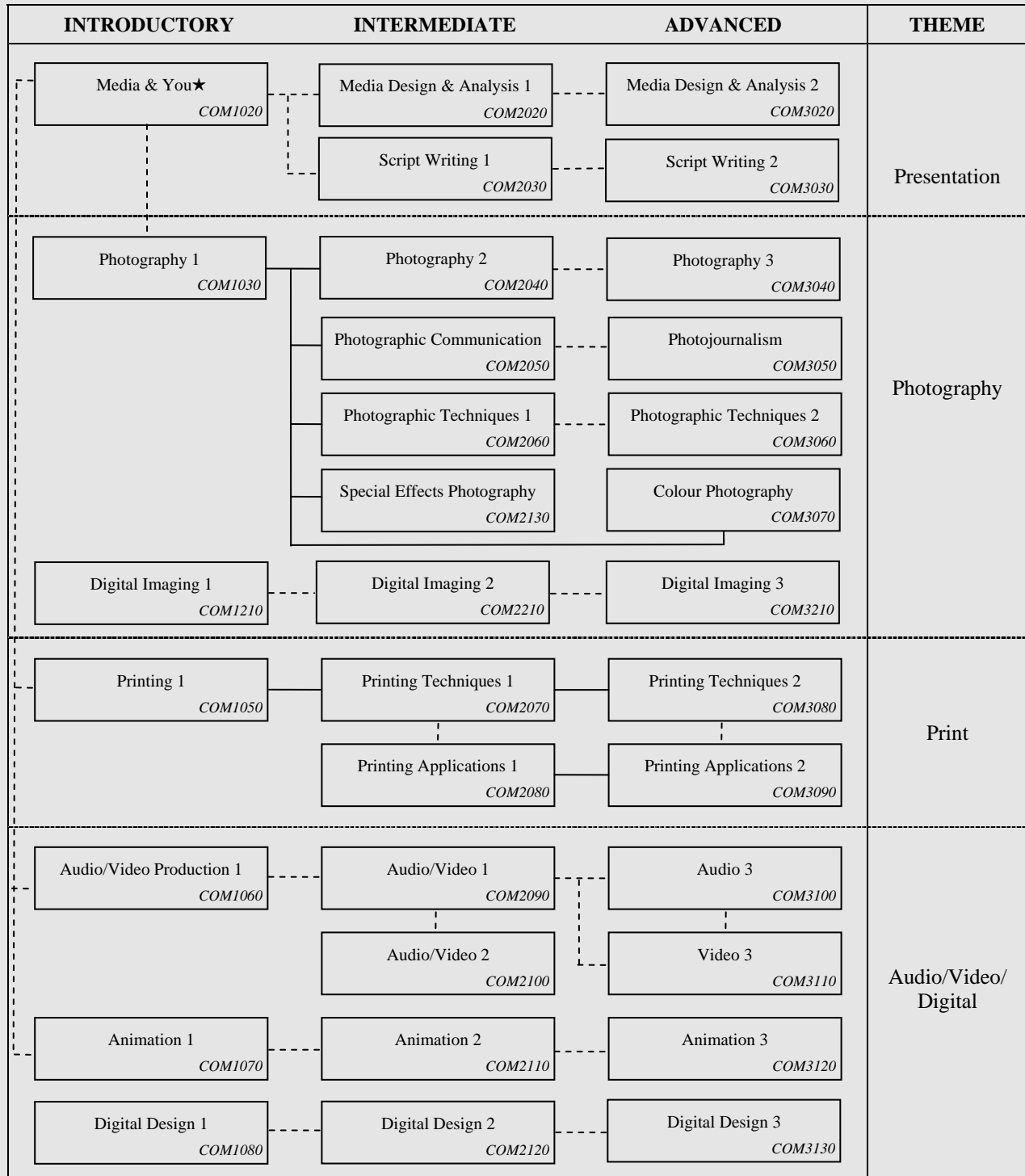
- **Remove** page F.1 (Revised 2002) and **replace** with new page F.1 (Revised 2005).
- **Remove** pages F.3–F.6 (1997) and **replace** with new page F.3–F.6 (Revised 2005).
- **Remove** page F.31 (1997) and **replace** with new page F.31 (Revised 2005).

### Section G

- **Remove** page G.3 (Revised 2002) and **replace** with new page G.3 (Revised 2005).
- **Remove** pages G.55–G.56 (1997) and **replace** with new page G.55–G.56 (Revised 2005).

**SCOPE AND SEQUENCE**

**COMMUNICATION TECHNOLOGY**



—— Prerequisite      - - - - Recommended sequence

★ Course provides a strong foundation for further learning in this strand.

**Note:** Presentation & Communication 1, 2 and 3 have been withdrawn effective September 2003, 2004 and 2005 respectively.

## **COURSE DESCRIPTIONS**

### **Course COM1020: Media & You**

Students are provided with a hands-on introduction to the various segments of communication studies: presentation and communication, photography, print, and audio/video production.

### **Course COM1030: Photography 1**

Students operate a camera to take photographs and produce prints.

### **Course COM1050: Printing 1**

Students are introduced to basic layout/design techniques and to various print reproduction processes; e.g., offset, screen, electrostatic.

### **Course COM1060: Audio/Video Production 1**

Students acquire basic production skills through the use of simple audio and/or video equipment and techniques.

### **Course COM1070: Animation 1**

Students are introduced to a variety of animation techniques and are given the opportunity to produce simple animation.

### **Course COM1080: Digital Design 1**

Students are introduced to the integration of various media; e.g., audio, video, photographic, graphic, for the purpose of producing a multimedia message.

### **Course COM1210: Digital Imaging 1**

Students will learn the fundamentals of digital image acquisition, using a digital camera. Images will be saved to a folder or directory and manipulated, using bitmap editing software.

### **Course COM2020: Media Design & Analysis 1**

Students explore various media and examine their impact on personal, community and national interests.

### **Course COM2030: Script Writing 1**

Students write sample scripts for a variety of media forms.

### **Course COM2040: Photography 2**

Students review and expand on the concepts outlined in COM1030 Photography 1, including composition, exposure, camera operation, image processing, proofing and enlarging.

### **Course COM2050: Photographic Communication**

Students use photographic prints, slides or digital images to communicate a message or tell a story.

### **Course COM2060: Photographic Techniques 1**

Students expand photographic concepts using various lenses and applying depth of field in composition.

### **Course COM2070: Printing Techniques 1**

Students are introduced to single-register reproductive printing.

### **Course COM2080: Printing Applications 1**

Students apply the technique of single-register printing to practical situations.

### **Course COM2090: Audio/Video 1**

Students expand on basic audio/video production techniques.

### **Course COM2100: Audio/Video 2**

Students build on production skills through application of preproduction and post-production techniques.

### **Course COM2110: Animation 2**

Students build skills in planning, idea development and storytelling technique, and their application through various animation methods.

### **Course COM2120: Digital Design 2**

Students enhance their abilities to integrate various media for the purpose of producing a multimedia message for a target audience, using the computer as a significant production tool.

**Course COM2130: Special Effects****Photography**

Students are introduced to the creative use of the camera, the darkroom and/or digital techniques, in order to produce various photographic effects.

**Course COM2210: Digital Imaging 2**

Students will acquire digital images from a digital camera and one or more other sources. They will extend and refine their knowledge of bitmap editing software and composition principles, and apply more advanced editing techniques to composite images.

**Course COM3020: Media Design & Analysis 2**

Students use school and/or community resources to produce messages for a target audience to be delivered through two or more media.

**Course COM3030: Script Writing 2**

Students refine script-writing skills by producing scripts for specific media formats.

**Course COM3040: Photography 3**

Students apply various light sources, multiple lighting arrangements and metering techniques with an emphasis on flash and studio lighting.

**Course COM3050: Photojournalism**

Students are introduced to photojournalism.

**Course COM3060: Photographic Techniques 2**

Students create special photographic effects through a variety of approaches, including advanced enlarging techniques, high contrast derivations, toning, retouching and print presentation.

**Course COM3070: Colour Photography**

Students are introduced to colour photography.

**Course COM3080: Printing Techniques 2**

Students are introduced to multiregister reproductive printing.

**Course COM3090: Printing Applications 2**

Students apply the technique of multiregister printing to practical situations.

**Course COM3100: Audio 3**

Students plan, develop and produce specific audio projects.

**Course COM3110: Video 3**

Students plan, develop and produce specific video projects.

**Course COM3120: Animation 3**

Students apply production planning techniques to produce animation that tells a story, communicates an idea or message, or creates a mood or theme. Students select and employ traditional animation techniques for the project work..

**Course COM3130: Digital Design 3**

Students develop and produce multimedia messages within a common theme and for a client who has an identified target audience. Students select and use a variety of media and justify their selection based on the strengths of the media and appropriateness to the task. Digital technology forms a key link in all project work.

**Course COM3210: Digital Imaging 2**

Students will acquire digital images from a digital camera and one or more other sources. They will extend and refine their knowledge of bitmap editing software and composition principles, and apply more advanced editing techniques to composite images.



## COURSE CURRICULUM AND ASSESSMENT STANDARDS:

### SECTION F: ADVANCED LEVEL

The following pages define the curriculum and assessment standards for the advanced level of Communication Technology.

Advanced level courses demand a higher level of expertise and help prepare students for entry into the workplace or a related post-secondary program.

Course COM3020:	Media & Design Analysis 2 .....	F.7
Course COM3030:	Script Writing 2 .....	F.11
Course COM3040:	Photography 3 .....	F.13
Course COM3050:	Photojournalism .....	F.17
Course COM3060:	Photographic Techniques 2 .....	F.21
Course COM3070:	Colour Photography .....	F.25
Course COM3080:	Printing Techniques 2 .....	F.29
Course COM3090:	Printing Applications 2 .....	F.31
Course COM3100:	Audio 3 .....	F.33
Course COM3110:	Video 3 .....	F.37
Course COM3120:	Animation 3 .....	F.41
Course COM3130:	Digital Design 3 .....	F.45
Course COM3210:	Digital Imaging 3 .....	F.49



*Note:*

*COM3010: Presentation &  
Communication 3 (pages F.3–F.6) has  
been withdrawn effective  
September 2005.*



## COURSE COM3090: PRINTING APPLICATIONS 2

**Level:** Advanced

**Theme:** Print

**Prerequisite:** COM2080: Printing Applications 1

**Description:** Students apply the technique of multiregister printing to practical situations.

**Parameters:** Access to layout tables, tools and materials and/or computers with graphic layout capabilities and one or more types of printing equipment/facilities capable of multi-register printing.

**Supporting Course:** COM3080 Printing Techniques 2

### Curriculum and Assessment Standards

General Outcomes	Assessment Criteria and Conditions	Suggested Emphasis
<p><i>The student will:</i></p> <ul style="list-style-type: none"> <li>demonstrate a practical print-based task, applying previously learned techniques</li> <li>select a suitable printing method, prepare masters suitable for the printing task; e.g., offset plate, serigraphic stencil, relief lockup, and reproduce in required quantity</li> <li>print images in register</li> <li>use finishing techniques as required</li> </ul>	<p><i>Assessment of student achievement should be based on:</i></p> <ul style="list-style-type: none"> <li>a portfolio consisting of job-related products including:               <ul style="list-style-type: none"> <li>a camera-ready copy for products requiring multiregister printing</li> <li>masters used to reproduce the image(s)</li> <li>finished printed product(s) with the following characteristics:                   <ul style="list-style-type: none"> <li>image is clear and clean</li> <li>in register and aligned to the printed surface</li> </ul> </li> <li>application of finishing techniques as required.</li> </ul> </li> </ul> <p><i>Assessment Tool</i> <i>Portfolio Assessment, COM3090-1</i></p> <p><i>Standard</i> <i>Performance rating of 2 for each criteria</i></p>	90
	<ul style="list-style-type: none"> <li>present project work to clients, teacher and/or peers. Student justifies selection of specific techniques used to complete job(s).</li> </ul> <p><i>Assessment Tool</i> <i>Presentations/Reports, COM3090-2</i></p> <p><i>Standard</i> <i>Performance rating of 3 for each criteria</i></p>	10

**COURSE COM3090: PRINTING APPLICATIONS 2 (continued)**

General Outcomes	Assessment Criteria and Conditions	Suggested Emphasis
<p><i>The student will:</i></p> <ul style="list-style-type: none"> <li>demonstrate basic competencies.</li> </ul>	<p><i>Assessment of student achievement should be based on:</i></p> <ul style="list-style-type: none"> <li>observations of individual effort and interpersonal interaction during the learning process.</li> </ul> <p><i>Assessment Tool</i>  <i>Basic Competencies Reference Guide and any assessment tools noted above</i></p>	<p>Integrated throughout</p>

Concept	Specific Outcomes	Notes
<p>Process and Procedures</p>	<p><i>The student should:</i></p> <ul style="list-style-type: none"> <li>produce one or more ideas suitable for a multiregister printing</li> <li>complete comprehensive layouts incorporating accepted design principles</li> <li>prepare master(s) using suitable approaches for the printing task</li> <li>demonstrate responsibility and ethical behaviour by working within school and community standards.</li> </ul>	<p>The student should be working independently and with little or no supervision.</p>
<p>Applied Technologies</p>	<ul style="list-style-type: none"> <li>produce accurate image placement with the aid of registration guides</li> <li>print master for each printing task</li> <li>apply finishing techniques as required.</li> </ul>	<p>Consult authorized learning and teaching resources for detailed methodology.</p>
<p>Presentation</p>	<ul style="list-style-type: none"> <li>present completed layout(s), master(s) and print(s) for feedback</li> <li>create and present a portfolio consisting of the layout and samples of the finished product.</li> </ul>	<p>The student may use this final portfolio when applying to a post-secondary institution, or when talking to a potential employer.</p>

COM2090-1: Portfolio Assessment.....	G.45
COM2090-2: Presentations/Reports .....	G.46
COM2100-1: Portfolio Assessment.....	G.47
COM2100-2: Presentations/Reports .....	G.48
COM2110-1: Portfolio Assessment.....	G.49
COM2110-2: Presentations/Reports .....	G.50
COM2120-1: Portfolio Assessment.....	G.51
COM2120-2: Presentations/Reports .....	G.52
COM2130-1: Portfolio Assessment.....	G.53
COM2130-2: Presentations/Reports .....	G.54
COM3020-1: Portfolio Assessment.....	G.57
COM3020-2: Presentations/Reports .....	G.58
COM3030-1: Portfolio Assessment.....	G.59
COM3030-2: Presentations/Reports .....	G.60
COM3040-1: Portfolio Assessment.....	G.61
COM3040-2: Presentations/Reports .....	G.62
COM3050-1: Portfolio Assessment.....	G.63
COM3050-2: Presentations/Reports .....	G.64
COM3060-1: Portfolio Assessment.....	G.65
COM3060-2: Presentations/Reports .....	G.66
COM3070-1: Portfolio Assessment.....	G.67
COM3080-1: Portfolio Assessment.....	G.68
COM3080-2: Presentations/Reports .....	G.69
COM3090-1: Portfolio Assessment.....	G.70
COM3090-2: Presentations/Reports .....	G.71
COM3100-1: Portfolio Assessment.....	G.72
COM3100-2: Presentations/Reports .....	G.73
COM3110-1: Portfolio Assessment.....	G.74
COM3110-2: Presentations/Reports .....	G.75
COM3120-1: Portfolio Assessment.....	G.76
COM3120-2: Presentations/Reports .....	G.77
COM3130-1: Portfolio Assessment.....	G.78
COM3130-2: Presentations/Reports .....	G.79
COM1210-1: Portfolio Assessment: Digital Imaging 1 .....	G.81
COM1210-2: Presentations/Reports: Digital Imaging 1 .....	G.82
COM2210-1: Portfolio Assessment: Digital Imaging 2 .....	G.83
COM2210-2: Presentations/Reports: Digital Imaging 2 .....	G.84
COM3210-1: Illustrative Examples: Sample Work World Projects .....	G.85
COM3210-2: Portfolio Assessment: Digital Imaging 3 .....	G.86
COM3210-3: Presentations/Reports: Digital Imaging 3 .....	G.87

## ASSESSING STUDENT ACHIEVEMENT IN CTS

The CTS assessment standards assess two basic forms of competency:

- What can a student *do*?
  - **make** a product (e.g., wood bowl, report, garment)
  - **demonstrate** a process
    - strand-related competencies (e.g., keyboarding, hair cutting, sewing techniques, lab procedures)
    - basic competencies (e.g., resource use, safety procedures, teamwork).
- What does a student *know*?
  - knowledge base needed to demonstrate a competency (link theory and practice).

### CTS Defines Summative Assessment Standards

The assessment standards and tools defined for the CTS courses, referenced in Sections D, E and F of this Guide, focus on the final (or summative) assessment of student achievement.

Assessment throughout the learning period (formative assessment) will continue to evaluate how students are progressing. Teachers direct and respond to students' efforts to learn—setting and marking tasks and assignments, indicating where improvement is needed, sending out interim reports, congratulating excellence, etc.

Teachers will decide which instructional and assessment strategies to apply during the formative learning period. As formative and summative assessment are closely linked, some teachers may wish to modify the tools included in this section to use during the instructional process. Teachers may also develop their own summative assessment tools as long as the standards are consistent with the minimum expectations outlined by Alberta Learning.

## Grading and Reporting Student Achievement

When a student can demonstrate ALL of the exit-level competencies defined for a 1-credit course (general outcomes), the teacher will designate the course as “successfully completed.” The teacher will then use accepted grading practices to determine the percentage grade to be given for the course—a mark not less than 50%.

The time frame a teacher allows a student to develop the exit-level competency is a local decision. NOTE: The *Guide to Education: ECS to Grade 12* specifies that students must have access to 25 hours of instruction for each credit. Students may, however, attain the required competencies in less time and may then proceed to other courses.

Teachers are encouraged to consult their colleagues to ensure grading practices are as consistent as possible. Further information about assessing and reporting student achievement in CTS is provided in the *CTS Manual for Administrators, Counsellors & Teachers* (Assessing Student Achievement).

### Components of Assessment Standards in CTS

The following components are included in each 1-credit course:

- **general outcomes** (in the shaded left-hand column) define the exit-level competencies students are expected to achieve to complete the course. Each general outcome defines and describes critical behaviours that can be measured and observed. The student must meet the standard specified for **ALL** the general outcomes within a course to be successful.

*Note:*

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