

**MODULE FAS2030: CAD PATTERNS 1 (COMPUTER-AIDED DESIGN)****Level:** Intermediate**Theme:** Design**Prerequisite:** DES1050 CAD Fundamentals (Computer-aided Design) [Design Studies Strand]**Module Description:** Students develop and apply knowledge, skills and techniques necessary to operate a personal computer to design and draft patterns for fashion items.**Module Parameters:** Access to computer and appropriate software.**Curriculum and Assessment Standards**

Module Learner Expectations	Assessment Criteria and Conditions	Suggested Emphasis
<p><i>The student will:</i></p> <ul style="list-style-type: none"> <li>design an A-line skirt, shorts or pants, using a computer</li> </ul>	<p><i>Assessment of student achievement should be based on:</i></p> <ul style="list-style-type: none"> <li><b>practical lab experience</b> in which the student uses the computer to design an A-line skirt, shorts or pants with the following pattern details: grainline, centre front/centre back, notches/dots, seam and hem lines, darts and optional details, such as pockets, yokes, facing and waistband.</li> </ul> <p><i>Assessment Tool</i> <i>Framework for Assessing CAD Patterns 1, FAS2030-1</i></p> <p><i>Standard</i> <i>A minimum performance rating of 2 in each applicable area of assessment</i></p>	45
<ul style="list-style-type: none"> <li>demonstrate basic flat pattern skills and knowledge by making skirt, shorts or pants design alterations on a computer</li> </ul>	<ul style="list-style-type: none"> <li><b>project</b> in which the student demonstrates skills required to produce a computer-designed skirt, shorts or pants pattern that incorporates design details, required pattern information and layout.</li> </ul> <p><i>Assessment Tool</i> <i>Framework for Assessing CAD Patterns 1, FAS2030-1</i> <i>Intermediate Skills/Techniques: Checklist, FASSKT-2</i> <i>Fashion Studies Standards for Intermediate Skills/Techniques, FASSTD-2</i></p> <p><i>Standard</i> <i>A minimum performance rating of 2 in each applicable area of assessment</i></p>	45



**MODULE FAS2030: CAD PATTERNS 1 (COMPUTER-AIDED DESIGN) (continued)**

Concept	Specific Learner Expectations	Notes
Skills, Techniques and Applications	<p><i>The student should:</i></p> <ul style="list-style-type: none"> <li>• use the computer to:               <ul style="list-style-type: none"> <li>– insert blocks and pattern symbols</li> <li>– explode blocks</li> <li>– measure distances</li> <li>– create layers</li> <li>– generate images using recalled and supplemental CAD tools</li> </ul> </li> <li>• use the computer to:               <ul style="list-style-type: none"> <li>– identify, select and use appropriate CAD tools in the context of design problems</li> <li>– create the completed skirt, short or pant pattern</li> <li>– organize pattern pieces into a layout</li> <li>– estimate fabric requirements.</li> </ul> </li> </ul>	<p>Blocks and basic patterns for skirts, shorts or pants may be from a purchased library of slopers and symbols of ones previously created.</p> <p>Teachers may wish to specify design briefs for their students in this module in order to ensure specific computer applications are learned.</p> <p>Possible projects:</p> <ul style="list-style-type: none"> <li>• personalized skirts, shorts or pants from measurements or through use of computerized slopers.</li> </ul>
Portfolio/Career Exploration	<ul style="list-style-type: none"> <li>• produce a portfolio of ongoing work</li> <li>• identify and describe related careers and opportunities.</li> </ul>	

