

Jones County Junior College  
Career and Technical Education Division  
Catalog Addendum  
2008-2010

Addendum # 15  
November 10, 2009

The following changes/additions have been made to the curriculum of the Drafting Technology Program in the 2008-2010 Course Catalog:

A new course has been added to the elective course offerings:

**DDT 2163 Machine Drafting II**

This addition will become effective for the Spring 2010 session.

All changes/additions are noted below in red.

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**Drafting and Design Technology**

**DDT 1114** – Fundamentals of Drafting - A course designed to give the drafting major the background needed for all other drafting courses. Emphasis is placed upon maintaining correct techniques while developing speed. Four semester credit hours: Two hours lecture and four hours lab.

**DDT 1123** – Computational Methods for Drafting - Prerequisite: Consent of Instructor. Study of computational skills required for the development of accurate design and drafting methods. This class is for students needing to increase their math skills prior to enrolling in sophomore level classes. Students with weak math skills (C or lower in intermediate Algebra) will need to take this class during the spring semester (will be offered as an evening class). English or Science will need to move to another semester. Three semester credit hours: Two hour lecture and Two hours lab.

**DDT 1133** – Machine Drafting - Prerequisite: DDT 1114 (with grade of “C” or better). Emphasis is placed on methods, techniques, and procedures in presenting screws, bolts, rivets, springs, thread types, welding symbols, materials, finishes, work order preparation, and other drafting room procedures. Three semester credit hours: One hour lecture and four hours lab.

**DDT 1153** – Descriptive Geometry - Prerequisite: DDT 1114 (with grade of “C” or better). Theory and problems designed to develop the ability to visualize points, lines, and surfaces in space. Three semester credit hours: One hour lecture and four hours lab.

**DDT 1213** – Construction Materials - A course designed to familiarize the student with the physical properties of the materials generally used in the erection of a structure, with a brief description of their manufacture. Three semester credit hours: Two hours lecture and two hours lab.

**DDT 1313** – Principles of CAD - Pre/Corequisite: DDT 1114 (with grade of “C” or better) or Consent of Instructor. This course will introduce the student to the operating system and how to perform basic drafting skills on the CAD system. Three semester credit hours: One hour lecture and four hours lab.

**DDT 1323** – Intermediate CAD - Prerequisite: DDT 1313 (with grade of “C” or better). A continuation of Principles of CAD. Topics include section views, symbols, pictorials, dimensioning, and plotting. Three semester credit hours: One hour lecture and four hours lab.

**DDT 1413** – Elementary Surveying - Pre/Corequisite: DDT 1114 or FOT 1114 (with grade of “C” or better) or Consent of Instructor. A basic course dealing with principles of geometry, theory, and use of instruments, mathematical calculations, and the control and reduction of errors. Three semester credit hours: One hour lecture and four hours lab.

**DDT 1613** – Architectural Design 1 - Prerequisite: DDT 1114 (with grade of “C” or better). Presentation and application of architectural drafting room standards for residential working drawings. Three semester credit hours: One hour lecture and four hours lab.

**2163 Machine Drafting II** - A continuation of Machine Drafting I with emphasis on advanced techniques and knowledge employed in the planning of mechanical objects.

Includes instruction in the use of tolerancing and dimensioning techniques.

Three semester hours: Two hours lecture, two hours lab.

**DDT 2233** – Structural Drafting - Prerequisite: DDT 1114 & DDT 1313 (with grade of “C” or better). Structural shapes, terms, and conventional abbreviations and symbols used by structural fabricators and erectors are studied. Knowledge is gained in the use of the A.I.S.C. Handbook. Problems are studied that involve structural designing and drawing of beams, columns, connections, trusses, bracing, (steel, concrete, and wood). Three semester credit hours: One hour lecture and four hours lab.

**DDT 2243** – Cost Estimating - Prerequisite: MAT 1233 (with grade of “C” or better) or DDT 1123 (with grade of “C” or better) or Consent of Instructor. Preparation of material and labor quantity surveys from working drawings and specifications, including related mathematics. Three semester credit hours: One hour lecture and four hours lab.

**DDT 2253** – Statics and Strengths of Materials - Prerequisite: MAT 1313 (with grade of “C” or better) or a combination of MAT 1233 & PHY 2244 (with grade of “C” or better) or DDT 1123 (with grade of “C” or better). Study of forces acting on bodies, stress of materials and physical properties, beam and column design. Three semester credit hours: One hour lecture and four hours lab.

**DDT 2343** – Advanced CAD - Prerequisite: DDT 1323 (with grade of “C” or better). A continuation of Intermediate CAD. Emphasis is placed on User Coordinate Systems, and 3-D surfaces and solids. Three semester credit hours: One hour lecture and four hours lab.

**DDT 2363** – Computer Numerical Control (CNC) Drafting - Prerequisite: DDT 1313 (with grade of “C” or better). A course designed to give the drafting major basic knowledge of numerical control machines and CNC software. Three semester credit hours: Two hours lecture and two hours lab.

**DDT 2423** – Mapping and Topography - Prerequisite: DDT 1413 (with grade of “C” or better) or Consent of Instructor. Drafting techniques for making maps, traverses, plot plans, and profiles using maps, field data, aerial photos and related references and materials. Three semester credit hours: One hour lecture and four hours lab.

**DDT 2623** – Architectural Design II - Prerequisites: DDT 1323 & DDT 1613 (with grade of “C” or better) and. This course emphasizes standard procedures and working drawings, along with presentation drawings and CAD assignments. Three semester credit hours: One hour lecture and four hours lab.

**DDT 291(1-3)** – Special Project – Prerequisite: Consent of Instructor. Practical application of skills and knowledge gained in other drafting courses. The instructor works closely with the student to insure that the selection of a project will enhance the student’s learning experience. One to three semester credit hours: Two to six hours combination of lecture/lab.