

## **CET 211**

### **Communication Electronics**

*Prerequisite: CET 103*

4 lectures per week: 4 hrs credit

This course is a continuation of electronic studies extending into communications applications. Topics include feedback, oscillators, modulation, demodulation, R.F. amplification, wave propagation, wave transmission, and wave radiation. Analysis techniques are extended from the time domain to frequency domain.

## **Criminal Justice Services**

### **CJ 101 (IAI: CRJ 901)**

#### **Introduction to Criminal Justice**

*Prerequisite: Placement into ENG 099 or higher*

3 lectures per week: 3 hrs credit

This is a survey and analysis of the criminal justice system, including an historical and philosophical overview of its development, with special emphasis on the system's primary components, and the relationship of these components in the administration of criminal justice in the United States.

### **CJ 102 (IAI: CRJ 912)**

#### **Introduction to Criminology**

*Prerequisite: Placement into ENG 099 or higher*

3 lectures per week: 3 hrs credit

This course is an introduction to the multidisciplinary study and analysis of the nature, causes and control of crime in America. The measurement of crime and the interactive roles of the system, victim, offender, and society also are covered.

### **CJ 103**

#### **Law Enforcement Organization and Administration**

*Prerequisite: Placement into ENG 099 or higher*

3 lectures per week: 3 hrs credit

This course focuses on the principles of organization and management as applied to law enforcement agencies. Topics covered include concepts of organization behavior, formulation of policy and procedure, and coordination of operational units.

### **CJ 106 (IAI: CRJ 911)**

#### **Introduction to Corrections**

*Prerequisite: Placement into ENG 099 or higher*

3 lectures per week: 3 hrs credit

An overview and analysis of the American correction system is presented, including the history, evolution, and philosophy of punishment and treatment. The operation and administration of criminal justice in both institutional and non-institutional settings is covered. Current issues in correctional law also are presented.

## **CJ 110**

### **Community-Based Policing**

*Prerequisite: CJ 101*

3 lectures per week: 3 hrs credit

The philosophical and practical applications of community based policing are presented.

## **CJ 120**

### **Introduction to Homeland Security**

*Prerequisite: Placement into ENG 099 or higher*

3 lectures per week: 3 hrs credit

This course examines the programs and activities that have been implemented to improve the safety of our country. Special emphasis is placed on the threat of terrorism and strategies to address that threat. *(same as FST 121)*

## **CJ 201**

### **Introduction to Criminal Law**

*Prerequisite: CJ 101*

3 lectures per week: 3 hrs credit

This course examines and analyzes the structure and functions of substantive criminal law. The principles of criminal law are presented, including the acts, mental state, and attendant circumstances that are necessary elements of the crime.

## **CJ 202**

### **Civil and Criminal Laws/Procedures**

*Prerequisite: Placement into ENG 099 or higher*

3 lectures per week: 3 hrs credit

This course examines legal concepts and criminal procedures in the areas of arrest, force, search and seizure, interrogation, and obtainment of physical evidence. Also included are studies on trials, indictments, bail, grand and petit juries, and the rules of evidence in the State of Illinois.

## **CJ 203**

### **Principles of Criminal Investigation**

*Prerequisite: CJ 101*

3 lectures per week: 3 hrs credit

This course covers the fundamentals and procedures of investigation including applications of deductive and inductive reasoning, and other investigative techniques; collection, marking and preservation of evidence suitable for court presentation; due process; and techniques and procedures of follow-up investigation.

**CJ 204** (IAI: CRJ 914)**Juvenile Justice**

*Prerequisite:* Placement into ENG 099 or higher

3 lectures per week: 3 hrs credit

The history and philosophy of society's reaction to juvenile behavior and problems are covered. The interaction among the police, judiciary and corrections systems are examined within the context of cultural influences. Theoretical perspectives of causation and control are examined.

**CJ 208****Principles of Criminalistics**

*Prerequisite:* Placement into ENG 099 or higher

3 lectures per week: 3 hrs credit

This course covers the application of the natural and physical sciences to crime solutions in law enforcement. All aspects of crime scene processing including evidence recognition, collection, protection and transmission, examination and evaluation of physical evidence, and identification and comparison of crime laboratory procedures are included. The role of the crime laboratory in modern law enforcement also is studied.

**CJ 270****Computer Forensics**

*Prerequisite:* CJ 101 or ITPRG 140

2 lectures, 2 lab hrs per week: 3 hrs credit

This course provides an introduction to computer forensics, preparing students to acquire and analyze digital crime evidence. Students learn tools and techniques for conducting digital investigations, preserving evidence, and preparing expert witness testimony. Topics include file structures, data recovery, forensic analysis, e-mail, and network investigations, and ethics.

**CJ 299****Criminal Justice Internship**

*Prerequisite:* Consent of program coordinator.

1 lecture, 10 lab hrs per week: 3 hrs credit

Students are assigned to a criminal justice agency for supervised exposure to the various aspects of a working agency. Students spend a minimum of 10 hours per week on-site and one hour per week in a seminar setting.

**Dental Hygiene****DH 101****Histology**

*Prerequisite:* Consent of program coordinator

2 lecture hrs per week: 2 hrs credit

A basic course in the minute structural and functional units of living tissue. This course provides sufficient knowledge of that part of the body whose healthful condition is the particular responsibility of the dental hygienist.

**DH 103****Head and Neck Anatomy and Tooth Morphology**

*Prerequisite:* Consent of program coordinator

3 lectures, 4 lab hrs per week: 5 hrs credit

This course provides a detailed study of nomenclature, morphologic characteristics, and physiologic relationships of human primary and permanent teeth. The study of the anatomical structure of the head and neck region of the human body will serve as a foundation of anatomical knowledge that is essential for patient care, understanding function, oral pathology, local pain, and the administration of anesthesia.

**DH 104****Dental Radiology**

*Prerequisite:* DH 103

2 lectures, 4 lab hrs per week: 4 hrs credit

This in-depth introduction to dental radiography concentrates on the history and characteristics of radiation in dentistry, technical aspects of radiation production, computerized digital radiography, and the components and functions of the dental X-ray machine. Hazards, safety precautions, and infection control are covered. Intraoral techniques, landmarks, processing of radiographs, and the mounting and viewing of films are emphasized. Regulations and management of clients with special needs are covered. Students assess clients, complete treatment plans, and perform a required number of examinations and radiographic surveys on manikins and selected clients in a laboratory setting. Students are responsible for client recruitment.

**DH 105****Nutrition**

*Prerequisite:* DH 101

2 lectures per week: 2 hrs credit

This seminar provides a comprehensive review of the role of nutrients in the biological development of health and disease. Attention is given to process of assimilating nutritional information and making it applicable to the clinical setting. Special emphasis will be placed on methods of controlling dental disease.