ILO
• Critical Thinking: Effectively analyze arguments, assumptions, and problems, and draw conclusions.
• Information Literacy: Form strategies to locate, evaluate, and apply information, and know the ethical and legal issues surrounding information and information technology.
• Effective Communication: Actively express and exchange ideas through listening, speaking, reading, writing, and other modes of interpersonal expression.
• Quantitative Reasoning: Effectively analyze numerical data, solve quantitative problems, and apply mathematical concepts.
• Career Preparation: Demonstrate knowledge and skills to successfully move to a baccalaureate education or selected vocation.
• Community Awareness and Social Responsibility: Demonstrate and apply an understanding of moral and ethical issues that pertain to the environment, social justice, and cultural diversity.

Communication and Services
Administration of Justice

CLO
AJ101 - Intro to Admin of Justice
• Appreciate the basic purposes of policing in democratic societies.
• Articulate a basic understanding of the processes of American criminal justice, including the stages of criminal case development.
• Demonstrate a basic understanding of the nature and guarantees of due process as well as legal aspects of policing, including the law of arrest, and search and seizure.
• Demonstrate a basic understanding of the nature of the rule of law, and describe its purpose in Western democratic societies.
• Describe the five goals of contemporary criminal sentencing as well as the different sentencing practices that have been linked to each goal; and.
• Discuss the major characteristics and purposes of today's prisons and jails.
• Express a developing awareness and deeper appreciation for the human aspects and complexities of police work.
• Identify and describe the adjudication process, including the role of the courts, the typical stages in a criminal trial as well as the nature and purpose of the criminal trial.

AJ103 - Criminal Investigation
• Cite important legal aspects applicable to arrest, search and seizure procedures.
• Cite important legal aspects applicable to crime scene evidence collection, preservation and supplemental assistance.
• Compare and contrast various types of criminal investigations.
• Correlate the scientific and human methodologies of criminal investigation.
• Discuss issues related to testifying in court.
• Identify the major steps involved in organizing the investigation of a crime (case preparation and report writing).
• Understand and identify the elements of a crime (law).

AJ137 - Patrol Procedures
• Analyze a patrol problem.
• Assess manpower expenditures of a department.
• Define patrol methods such as "team policing," "basic car plan," and "unit beat policing."
• Describe the various duties of uniformed police officers.
• Differentiate the role of the uniformed officer in each type of patrol unit.
• Discuss the Kansas City Experiment and its findings.

AJ138 - Criminal Just Repts & Comm
• Demonstrate the ability to write quality criminal justice reports utilizing the four C's of report writing.
• Gather and record pertinent information through observations and interviews. Understand and apply viable communication techniques.
• Organize information into an understandable and chronological format.
• Understand and apply the four steps of proofreading.
• Understand the importance of ethics in criminal justice report writing.

AJ139 - Computer App in Crim Justice
• Apply computer knowledge to hands-on software simulations in the computer lab.
• Describe computer uses in law enforcement.
• Explain the basic concepts of computer theory and operation.

AJ150 - Correctional Process
• Appreciate the complexities and challenges of correctional staff members within the ideal framework of their four main goals.
• Articulate an understanding of the most controversial debates in contemporary corrections that include overcrowding, security, privatization, technology, and accreditation.
• Define diversion, probation, intermediate sanctions, and parole and understand their respective functions in the criminal justice system.
• Define the term corrections, and explain the American Correctional Association's (ACA) five fundamental purposes of corrections.
• Describe sentencing philosophy and identify the central purposes of criminal punishment.
• Describe the nine eras of prison development within the context of its societal environment.
• Explain the importance of professionalism in the corrections field, and describe the characteristics of a true professional.
• List and explain the sentencing options in general use today.
• Understand the importance of the inmate subculture and the theoretical explanations that attempt to explain its development.

AJ180 - Intro to Homeland Security
• Define terrorism from a political, legal, and military perspective.
• Describe the ideological motivations for terrorism in regard to religious extremism, ethnic cleansing, narco-terrorism, hate crimes, and genocide.
• Describe various weapons of mass destruction, improvised explosive devices, suicide bombers, and cyber warfare used in terrorist attacks.
• Discuss the legal perspectives of and responses to terrorism.
• Examine the role of the Internet and mass media in regard to terrorism.
• Examine the use of the Internet to gather intelligence on terrorist targets, recruit and radicalize terrorist members, and generate funding to execute terrorist attacks.
• Identify both domestic and international terrorist groups.

AJ200 - Principles of HI Justice Syste
• Articulate a basic understanding of the law governing vehicle stops, searches and inventories including the scope of such procedures, and the role of reasonable suspicion.
• Define the exclusionary rule and describe its purpose, procedures for invoking the rule, and certain major exceptions to the rule.
• Define the law of arrest, the role of probable cause, the necessity of a warrant, permissible procedures before and following an arrest, and the reasonable use of force.
• Demonstrate a basic understanding of the concepts of probable cause and reasonable suspicion and its effect on the legality of arrests and admissibility of evidence.
• Demonstrate a basic understanding of the impact that Miranda v. Arizona has on the admissibility of confessions, the concepts of custodial interrogation, and when the Miranda warnings are and are not required.
• Demonstrate a basic understanding of the law of stop and frisk and stationhouse detention, the role of reasonable suspicion, its distinction from an arrest, and its application in various contexts.
• Describe the fundamental concepts of the law of search and seizure of things, the requirement of probable cause and necessity of a warrant, and exceptions to the warrant requirement.
• List and describe the three procedures used in pretrial identification lineups, showups and photographic identification, and the four constitutional rights invoked during these procedures.

AJ208 - Criminology
• Describe the criminal/victim relationship.
• Describe the impact of crime on society.
• Describe the various biological, sociological, and psychological theories of criminality.

AJ210 - Juvenile Justice
• Apply juvenile case law to community and institutional settings.
• Define the patterns of effective juvenile crime prevention efforts.
• Differentiate key groups that consolidate information about juvenile crime.
• Explain the contributions of information and research to juvenile crime solutions in America.
• Explain the process for handling juvenile offenders in various correctional settings.
• Interpret local, state, and national juvenile crime data.

AJ220 - Constitutional Law
• Appreciate the tension that exists between national security and civil liberties in today's times.
• Articulate a basic understanding of the how various Supreme Court interpretations of the Commerce Clause as greatly affected the interaction between the federal and state governments.
• Comprehend the enormous and far-reaching effect the United States Supreme Court has on American jurisprudence whenever it renders decisions reflecting its interpretation of the various tenets of the Constitution.
• Demonstrate a basic understanding of the authority and jurisdiction of the Supreme Court and the tremendous power it possess through the process of judicial review and Certiorari.
• Demonstrate a basic understanding of the equal protection clause and its complex and three-tier interpretive model used by the Court in its interpretations of such issues as: what is equality, what constitutes forbidden discrimination, and the like.
• Describe the basic freedoms guaranteed by the First Amendment, including but not limited to, freedom of expression and religion and have an elemental understanding of the Supreme Court's efforts to balance these individual rights with the collective needs of society.
• Describe the organizational make up of the American court system and define such terms as: jurisdiction; appeal; standing; nonjusticiability; and the Ashwander rules.

• Explain the concepts of constitutionalism; federalism; separation of powers; and political question doctrine.

• Explain the various provisions of the constitutional amendments (i.e. the Fourth, Fifth, Sixth and Eighth) that influence the criminal justice system, including conducting constitutional searches and seizures, right against self-incrimination, right to counsel and a fair trial, and bail, fines and punishment.

• Understand from a historical perspective, the social and political context within which the framers crafted the U.S. Constitution.

• Understand the Court's use of the due process clause of the Fourteenth Amendment to selectively apply provisions of the Bill of Rights to the states.

AJ221 - Criminal Law
• Define criminal law and identify the purposes served by the criminal law.

• Define what a criminal defense is, the two types (factual and legal), and describe the difference between a justification and an excuse.

• Demonstrate a basic understanding of the concept of inchoate crimes (uncompleted crimes) which traditionally include (1) attempt, (2) solicitation, and (3) conspiracy.

• Demonstrate a basic understanding of the legal and social dimensions of personal crimes (or crimes against the person) as well property crimes.

• Describe and identify the three types of criminal homicide and to distinguish them from noncriminal homicide.

• Describe the elements of specific crimes selected from the Hawaii Penal Code.

• Identify and describe the three fundamental aspects of criminal liability: (actus reus, mens rea, and causation).

• Identify and describe the various offenses against public order, administration of government, and public morality.

AJ224 - Rules of Evidence
• Articulate a fundamental understanding of the rules relating to the burden of the prosecution in proving guilt, and the procedures used in introducing evidence.

• Define the concept of documentary evidence and describe its attendant foundational requirements of authentication and best evidence rule.

• Define the evidentiary concepts of relevancy and materiality.

• Describe the concept of hearsay evidence, the hearsay rule and the major exceptions to the hearsay rule with its attendant requirements.

• Describe the historical development of the rules of evidence and explain the effect of that history on the rules finally adopted by the United States courts and legislative bodies.

• Identify and describe the concept of real evidence and its foundational requirements for admission into evidence.

• Identify and explain the underlying rationale for the various privileged communications.

AJ230 - Prin of Police Supervision
• Describe a supervisor's role in guiding a subordinate through phases of a police career.

• Describe the qualities a supervisor must possess.

• Explain the relationship between supervisor and subordinate.

• Recognize the critical nature of first-level supervision in a police organization.

• Recognize the key role of a line supervisor in an organization.

AJ233 - Police Org & Management
• Discuss several management theories and their principal authors.

• Explain the organization of police agencies.

• Explain the role of various divisions in overall police operations.

AJ234 - Police and Community Relations
• Define community and police agency.

• Define the key stages of the police agency's unique functions in Hawaii.

• Describe the attributes of a successful police-community relations program.

• Discuss the development of relationships between the police agency and the community.

• Explain the community's response to various police actions and practices.
AJ235 - Ethics in Crim Justice System
• Appreciate the significance of metaphysics and moral psychology (free will and determinism, relativism, self-interest, moral motivation and its development) and its impact on and importance for crime, law, and justice.
• Describe the ethical issues involved in the various aspects of the criminal justice system.
• Describe the three primary categories of ethical inquiry (meta-, normative, and applied), as well as the domains of normative ethical inquiry (character, intentions, actions, and consequences).
• Explain the definitions and relationship between moral values, ethical judgments, justice, and law.
• Identify and describe the three basic frameworks of normative ethics: consequentialism; deontology; and virtue-based ethic.
• Understand the theoretical and foundations of ethics that constitute the basis of ethical thinking and the value of ethical inquiry.

AJ280 - Issues in Admin of Justice
• Collect data.
• Construct an effective questionnaire.
• Gather appropriate research materials on a selected topic.
• Write a properly annotated research paper based on data obtained by the class.

AJ283 - Substance Abuse in Society
• Describe the manufacture, production, and distribution of these drugs.
• Discuss law enforcement concerns regarding these categories of substances.
• Explain the effects of these drugs on society.
• Identify the following illegal drugs: Opiates; Stimulants; Depressants; Alcohol; Marijuana.

Communication Arts

Communication Arts
• Follow instructions to produce, modify, or output files according to client/project supplied criteria.
• Produce compositions utilizing the various steps of the design process: investigate client needs, do marketing research, define the design problem, problem solve, develop an idea/concept, thumbnails, layouts, comps and presentation art, prepare final art and produce mechanicals when necessary.
• Produce graphic design formats appropriate for delivery output while demonstrating the ability to meet deadlines, organize time and maintain schedules.
• Select appropriate software tools to achieve or maintain effective design solutions.
• Use tools, equipment and services to implement ideas for production. Techniques to include use of computer hardware, software, and service bureaus.
• Work independently as well as part of a team.

CLO

CA100 - Survey of Graphic Styles
• Classify the basic concepts and vocabulary of graphic art by period and artist.
• Describe the development of electronic media.
• Describe the development of print media.
• Discuss the impact of major design theory on communication arts since the industrial revolution.
• Discuss the impact of political influences on communication arts since the industrial revolution.
• Discuss the influences of technology on graphic design and society.
• Discuss the influences of the work of contemporary visual designers.

CA101 - Power of Advertising
• Describe the development of electronic media.
• Describe the development of print media.
• Discuss media issues such as controls, concerns, and consequences.
• Discuss the influences of international communication and culture.
• Discuss the influences of the media shapers and manipulators.
• Explain the interaction of culture and mass communication.

• Recognize the basic concepts and vocabulary of culture and communication.

**CA121 - Art and Media Preparation I**

• Demonstrate a functional knowledge of basic operations of a graphics generating program (commands/ codes/menus/tools and procedures for their uses).

• Demonstrate appropriate scanner/program operations for line artwork and continuous tone copy.

• Demonstrate the ability to do basic 2-D animation: frame-by-frame and tweened animations and integration of sound.

• Demonstrate the ability to import/export various file formats.

• Identify and use basic hardware components.

• Identify basic graphic software uses and limitations.

• Understand graphics software in terms of: tints, fills and paint; manipulated type (rotated, circled, extended, etc.); tracing; drawing; template; photographic image editing; various forms of electronic art; image acquisition methods.

**CA122 - Copy Preparation**

• Identify fundamentals of type and its uses.

• Measure copy/text and demonstrate copyfitting.

• Select an appropriate word processing software and prepare text for exporting.

• Understand: x-height, mean-line, base-line, ascenders, descenders, and caps, lowercase, small caps and ligatures; dingbats, bullets, rules, and symbols and their uses in publications. display (headline) type and body (text) type differences basic type styles and their uses. "weight" and "posture" of type. serif and sans serif type styles; lettering and kerning of type characters; wordspacing and the relation of em and en in paragraph spacing; linespacing and the measurement principles for leading.

**CA123 - Color Theory and Issues**

• Demonstrate the following skills safely and accurately in a non-patient care situation: cardiopulmonary resuscitation, basic patient history and physical examination, assessment and monitoring of vital signs, establish and maintain patent airway (basic and advanced), administer free-flow 100% oxygen safely, ventilate with bag-mask, correctly apply and use mechanical automatic heart/lung resuscitators, control hemorrhage, apply bandages, immobilize or splint fractures, dislocations I sprains, immobilize I extricate motor vehicle accident victims, perform light rescue and triage, perform emergency delivery of baby, and provide newborn care, initiate intervention with behavioral disorders, apply pneumatic anti-shock garment, correctly operate medical communication systems, operate emergency vehicle, perform 12-lead electrocardiogram, interpret 3-lead electrocardiogram, provide necessary pharmacological interventions, and perform intravenous cannulation.

• Describe the practical application of color in the field of graphic design.

**CA125 - Beginning Graphic Design**

• Demonstrate skill in writing technical specifications, project objectives and reports, and doing oral presentations.

• Demonstrate the ability to meet deadlines, organize time and maintain schedules.

• Demonstrate the ability to select appropriately from various technical alternatives to start to achieve effective design solutions.

• Perform on a beginning level, the various steps of the design process: investigate client needs; do marketing research, define the design problem, problem solve, develop an idea/concept, thumbnails, roughs, comps and presentation art.

• Recognize the principles of design to assigned projects using typography and/or images to communicate.

• Understand and use the vocabulary and tools for design, printing, and related fields.

• Understand the design process as related to the various formats to include the web as a medium.

• Understand the three basic types of design: Information Design; Editorial Design; and Promotional Design.

**CA131 - Art and Media Preparation II**

• Demonstrate a functional knowledge of basic video editing.

• Demonstrate a functional knowledge of color correction and color separation.

• Demonstrate a functional knowledge of compression techniques.

• Demonstrate a functional knowledge of exporting.

• Demonstrate a functional knowledge of image manipulation.

• Demonstrate a functional knowledge of spot, full color; duotone, tritone and quadtone for print.

• Understand and utilize various methods of image acquisition.

• Understand calibration.
- Understand color and color issues (for print and multimedia).
- Understand still and motion capture.

**CA132 - Page Composition**
- Demonstrate an understanding and the ability to color proof.
- Demonstrate an understanding and the ability to preflight and package files for output.
- Demonstrate an understanding of appropriate usage of fonts for print as well as the web that includes postscript's screen and printer fonts true type, and open type fonts.
- Demonstrate and apply design and color theory vocabulary to compositions.
- Demonstrate and apply the appropriate techniques and rules of page design for: text alignment; element positioning; cropping graphics electronically; scaling; trapping.
- Demonstrate the ability to *set-up*: column grids; pagination; margins, gutters, leading headings, etc. according to job specifications/ticket.
- Demonstrate the ability to import: 1) text/copy from word processing. 2) scanned graphics/photos and 3) graphics from an existing file into a publication according to job specifications.
- Identify and understand composition as it applies to the various print and web formats.

**CA134 - Digital Photography**
- Assemble a portfolio that demonstrates an ability to use photographic materials.
- Know how both types of images are prepared for use, know how to prepare photographic images for use by a graphic designer; and know how to choose which process-chemical or electronic image-will best meet a client's needs.
- Relate photography to other image making processes used in graphic design so the student can better determine when to use traditional photo, electronic imaging, illustration, multimedia, or other image making processes as appropriate to client needs.
- Understand current photographic business practices, copyright and other laws that apply to the use of images for commercial purposes in the graphic design and commercial photography industries.
- Understand the history of commercial photography.

**CA135 - Typographic Design**
- Critique type selection and layout relative to message, client need and appropriate use of type and design.
- Demonstrate attention to detail, to quality organization, to problem solving and flexibility in use of both verbal and visual language.
- Demonstrate awareness of quality and skill in verbal and visual language by successfully designing solutions to assigned projects.
- Design typographic assignments with consideration of meaning, organization and quality.
- Exhibit improvement in electronic typesetting and other computer related tools, as well as skill with traditional hands-on media, useful in making sketches and preliminary planning.
- Recognize and use the typographic qualities of legibility and readability.
- Recognize the fundamental design and classification systems of typography, related to historical and contemporary qualities.
- Understand and follow the steps necessary for quality typographic output; measure text, do copyfitting, proofreading and mark-up, and correct copy, use appropriate OCR and word-processing and page layout software, prepare for output at service bureau.
- Understand and use type vocabulary the typographic lexicon, including computer application and hardware specific language.
- Understand the type style conventions and font limitations of the web.

**CA142 - Page and Web Layout**
- Demonstrate understanding of files and formats and the appropriate conversion and use.
- Demonstrate understanding of internet technologies, services and web design.
- Demonstrate understanding of maintenance and management of a print production workflow.
- Demonstrate understanding of storage.. transfer; and conversion of content and media assets for print and web.
- Demonstrate understanding of the Postscript page description language as applicable to print.
- Demonstrate understanding of web and design issues.
- Produce a complex multicolor mechanicals that include scans, text and spot and full color artwork.
- Produce page layout files containing graphic images for remote output.
- Produce, modify, and output files for multiple deliveries.
CA143 - Prepress and Digital Printing
- Produce digital proofs.
- Produce files that have been preflight and packaged.
- Produce scanned files.
- Produce special effects: mezzotint, posterization, etc.
- Translate files from DOS to Mac formats, DOS to UNIX, etc.
- Understand basic halftone theory.
- Understand color management policies, settings, and profiles.
- Understand color proofing systems: advantages, disadvantages, and differences.
- Understand color theory as it applies to color separations, proofing, and printing inks.
- Understand direct imaging technologies.
- Understand dot gain and dot loss; duotone copy and basic production procedures; spreads & chokes; and trapping.
- Understand electronic imposition.
- Understand finishing and binding.
- Understand imagesetter technology.
- Understand safety issues and concerns as well as safe work habits in workflow operations.
- Understand the full color process.

CA145 - Graphic Design
- Demonstrate skill and experience in writing technical specifications, project objectives and reports, and doing oral presentations.
- Demonstrate skill in the use of tools, equipment and services to implement ideas for production. Techniques to include use of computers, pre press production houses and service bureaus, designate printing and paper specs, oversee printing and production bids, do quality control, and billing.
- Demonstrate the ability to meet deadlines, organize time and maintain schedules.
- Demonstrate the ability to select appropriately from various technical alternatives to achieve effective design solutions.
- Perform on an advanced level the various steps of the design process: investigate client needs, do marketing research, define the design problem, problem solve, develop an idea/concept, thumbnails, roughs, comps and presentation art, produce mechanicals if applicable and prepare final art.
- Produce graphic design samples appropriate for the final graphic design portfolio.
- Recognize and apply the principles of design to assigned projects using typography and/or images to communicate.
- Understand and explain the role of the graphic designer as project director; including art direction, to include the collaborative process of utilizing illustrators, photographers, copy writers and other creative and technical services.
- Understand and use the vocabulary of graphic design, printing, and web design.
- Understand historical and contemporary design styles as it applies to creating contemporary design.
- Understand the concept of experimental play and risk-taking as an important aspect to creative innovation in design.
- Understand the investigative requirements of the various design applications related to print: design systems, symbol and identity systems; information design (diagrams, graphs, charts); publication and print design; and book, poster; and package design.

CA146 - Advertising Design
- Demonstrate professional ability and growth with completion of advertising design samples appropriate for the final graphic design portfolio.
- Demonstrate skill and experience in listening to clients, peers, and supervisors, in writing technical specifications, project objectives and reports, in delivery of convincing oral presentations.
- Demonstrate skill and experience with tools and equipment and services to integrate ideas and production techniques, including computers and design electronics, paper sources, pre press production and service bureaus, video and film production services, and printers.
- Meet deadlines, organize time, maintain schedules and demonstrate flexibility.
- Perform on an advanced level the various steps of the advertising design process; investigate client needs, do marketing research, define the advertising design problem, problem solve, develop an idea / concept, do thumbnails, roughs, comps and presentation art, finish production of mechanicals and final art, designate printing and paper specs, oversee printing and production bids, do quality control, and billing.
• Recognize and apply the principles of quality advertising design to assigned projects, developing concept, writing the script, designing layout, typography, and visual images. Communicate a client's message to an audience. Select media. Position a product or service to fit the client's campaign or project.

• Regularly experience the experimental play and risk taking important to creative innovation in advertising design.

• Select appropriately from various technical alternatives to achieve professional design solutions.

• Understand and use the vocabulary of advertising, design, printing, and related fields.

• Understand the impact of the computer in multimedia, the internet, and telecommunications in creating a new direction and market for contemporary advertising design.

• Understand the requirements to investigate projects in the various advertising Design applications; print (includes publications, books, newspapers, etc.), collateral (includes packaging, point of purchase, exhibits, specialty advertising materials), radio, television, campaigns, national and local markets. (Advance understanding of film and video graphics, computer graphics, environmental signage and graphics; exhibition and display design requires study outside the contents of this course.)

CA150 - Special Projects

• Build constructive interpersonal relationships with peers and supervisors.

• Demonstrate competence in using the following means of production: computers; design software; pre press production; service bureaus.

• Demonstrate effective listening skills.

• Designate printing and paper specs.

• Do quality control.

• Follow billing practices.

• Give oral presentations.

• Organize time and maintain schedules to meet deadlines.

• Oversee printing and production bids.

• Perform the following steps of the design process at an advanced level: investigate client needs; do research; define the design problem; problem solve; develop an idea or concept; do thumbnails; do roughs; do comps; do presentation art; finish production of mechanicals; finish production of final art.

• Produce jobs with the following specifications: half tones; special effects; single and multi-color; screen tints; line and half tone combination; 4-page signature; 8-page signature; duotone; tritone; full-color.

• Produce layout, measure, and rule relevant guidelines.

• Select appropriately from various technical alternatives to achieve design solutions.

• Write technical specifications, project objectives, and reports.

CA152 - The Business of Advertising

• Apply the principles of quality advertising to selected projects.

• Complete advertising design samples for the final Communication Arts Program portfolio.

• Demonstrate flexibility in time management.

• Describe the impact of computer and telecommunications on the advertising design market.

• Discuss advertising theory and its relationship to American business.

• Discuss the following advertising applications: publications; books; newspapers; packaging; point of purchase; exhibits; specialty advertising materials; radio; television; ad campaigns for local markets; ad campaigns for national markets.

• Do a job search.

• Give oral presentations utilizing persuasive selling techniques.

• Identify career paths.

• Organize time and maintain schedules to meet deadlines.

• Perform the following steps in the advertising design process: investigate client needs; do research; define the advertising problem; do a media plan; do a marketing plan; develop a campaign concept; do copy writing; do production; do art direction; do a campaign budget plan.

• Provide advertising campaigns for positioning in local and national media based on the following factors: marketing; client information; demographics; research methods; media buys.

• Recognize the personal commitment and skills required by the advertising business.

• Use vocabulary specific to the field of advertising.
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>CLOs and PLOs</th>
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<tbody>
<tr>
<td>CA155</td>
<td>Portfolio Presentation and Rev</td>
<td>• Write technical specifications, project objectives, and reports.</td>
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<td>• Apply objective analytical skills in selecting the best art samples for inclusion in the portfolio.</td>
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<td>• Communicate personal abilities and skills in interviews and resumes.</td>
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<td>• Define realistic personal employment goals.</td>
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<td>• Describe the process and skills needed to prepare a Communication Arts portfolio.</td>
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<td>• Display the following skills necessary to apply for a Communications Arts position: portfolio; interview; resume.</td>
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<td>• Prepare Communication Arts samples in a professional presentation format appropriate for an entry-level applicant.</td>
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<td>• Prepare professional artwork that demonstrates the following types of skills: aesthetic; artistic; mechanical; technical.</td>
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<td>• Present a high quality final portfolio in a formal presentation to the course instructor, members of the Communications Arts Advisory Board, and other professionals in the community.</td>
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<td>• Present Communication Arts samples in an exhibition on campus.</td>
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### Computing, Security, and Network Technology

#### Computing, Security, and Networking Technology

- Apply current industry standards, protocols, and techniques; and keep up with evolving technology to maintain professional proficiency.
- Apply current standards for safety and security.
- Communicate clearly and effectively through written reports and oral presentations.
- Demonstrate professionalism and integrity in supporting the mission of the organization.
- Identify, analyze and improvise solutions to resolve problems using a systematic method.
- Install, configure, operate, and maintain systems.
- Use appropriate industry tools and methodologies to analyze, troubleshoot, and install systems.
- Work effectively, independently, and interdependently, in diverse situations involving stress, teams, co-workers, customers, vendors, organizational partners and supervisors.

#### CLO

##### CSNT110 - Intro to Information Systems

- Describe how programming relates to their careers.
- Explain the steps involved in the programming process.
- Solve simple problems and express those solutions as algorithms.
- Understand web technologies and develop programs to interact with them.
- Write simple programs that use input, output, selection statements, and repetition statements.

##### CSNT112 - Fundamentals of Electronics

- Describe the operation and use of semiconductor devices.
- Explain the basic principals of electricity.
- Explain the operation of a variable power supply and an AM/FM radio.
- Operate and use basic electronic components.
- Perform circuit analysis computations for the following circuits: serial; parallel; combination.
- Take measurements with a multimeter and oscilloscope.

##### CSNT116 - Security Aware Concepts & Prin

- Describe authentication and identification systems.
- Describe information security access-control models.
- Describe risk management and methods used to address risk.
- Develop a security policy.
- Explain basic IT security concepts and models.
- Explain personal responsibilities and liabilities for working with confidential information.
- Explain the need for security and the CIA triad.
- Explain threats and risks to modern data and information systems.
- Identify legislation related to data confidentiality, integrity and availability.
- Identify threats and countermeasures.

**CSNT132 - ICT Support**
- Assemble components based on customer requirements.
- Install, configure and maintain devices, PCs and software for end users.
- Properly and safely diagnose, resolve and document common hardware and software issues while applying troubleshooting skills.
- Understand the basics of networking and security/forensics.
- Understand the basics of virtualization, desktop imaging, and deployment.

**CSNT140 - Computer Networking I**
- Configure routers and switches for IPv4 and IPv6, including basic configuration, ethernet and serial interfaces, static and default routes, VLANs, inter-VLAN routing, RIP routing protocol, security best practices, access control lists, DHCP, and NAT, and device discovery and maintenance.
- Describe and identify commonly used distance vector routing protocols, such as RIP and RIPv2.
- Describe commonly used Application Layer protocols that provide IP addressing and network services.
- Describe the basic requirements for a reliable network.
- Describe the characteristics and identify industry standards for copper cabling, fiber-optic cabling, and wireless network media and construct copper network cables.
- Describe the characteristics, benefits, drawbacks, and operation of DHCP and NAT in IPv4 and IPv6 networks.
- Describe the characteristics, purpose, and use of IPv4 addresses and subnet masks; public and private addresses; and unicast, multicast, and broadcast addresses.
- Describe the purpose and use of static and default routes and dynamic routing protocols to interconnect devices in different networks.
- Describe the purpose, functions, characteristics, network devices, and protocols associated with each layer of the OSI and TCP/IP reference models and explain how the TCP/IP and OSI models are used to facilitate standardization in the communication process.
- Describe the representation, characteristics, purpose, and use of IPv6 addresses and network prefixes and IPv6 global unicast, link-local, and multicast addresses.
- Design and implement fixed and variable length IPv4 addressing schemes including: Determine the subnet mask to support a specified number of hosts to be assigned to each subnet; Determine the subnet addresses and range of host addresses for each subnet for the final addressing scheme.
- Explain how ACLs are used to filter IPv4 network traffic.
- Explain how frames are forwarded in a switched network and how packets are forwarded in a routed network.
- Identify and describe the purpose and characteristics of Ethernet framing, MAC addresses, and ARP.
- Identify basic security threats and vulnerabilities and describe device hardening and mitigation techniques and security best practices.
- Use the output of ping, tracert, ipconfig, and show commands to establish network baselines and perform troubleshooting within a network.

**CSNT180 - Intro to Data Analytics**
- Describe the characteristics of Big Data and key traits and skills for data literacy.
- Identify examples of data analytics use cases and the phases of a data analytics project.
- Use spreadsheets, analytics systems, or other online resources to obtain, explore, model, and visualize data.

**CSNT181 - Analytics Systems I**
- Describe the capabilities of various industry developed data analytics solutions.
- Perform typical functions of a data practitioner using data analytics solutions including: collect and import data; prepare and clean data for analysis; perform data searches; analyze and split data using transformation utilities; create dashboards, reports and charts using data visualization.

**CSNT184 - Machine Learning**
- Describe advantages and shortcomings of widely used machine learning algorithms.
• Explain fundamental concepts and applications of machine learning.
• Explain how to handle and represent data processed by machine learning algorithms.
• Use basic and advanced methods for model evaluation and parameter tuning.
• Use visualization tools to explore and understand data and determine which aspects of data to emphasize.

CSNT185 - Analytics Systems II
• Describe the capabilities of various industry developed and supported data analytics, machine learning, deep learning, and artificial intelligence solutions.
• Participate in a data analytics project, applying the skills of a data practitioner including: collect and import data into a data analytics solution; prepare and clean data for analysis; analyze data using data transforming utilities; perform data visualization to create dashboards, reports and charts; develop and select machine learning or deep learning models based upon the characteristics of the data; initialize and train a machine learning model; validate and apply a machine learning model.

CSNT197A - Intro to Data Analytics
• Describe the characteristics of Big Data and key traits and skills for data literacy.
• Identify examples of data analytics use cases and the phases of a data analytics project.
• Use spreadsheets, analytics systems, or other online resources to obtain, explore, model, and visualize data.

CSNT197B - Machine Learning
• Describe advantages and shortcomings of widely used machine learning algorithms.
• Explain fundamental concepts and applications of machine learning.
• Explain how to handle and represent data processed by machine learning algorithms.
• Use basic and advanced methods for model evaluation and parameter tuning.
• Use visualization tools to explore and understand data and determine which aspects of data to emphasize.

CSNT227 - Networking TCP/IP & UNIX
• Decode a TCP/IP application packet down to the bit level.
• Describe the ISO Layers associated with the TCP/IP protocol.
• Describe the operation of the TCP stack within a host computer.
• Describe/explain the tasks performed by the IP stack within a host computer.
• Predict packets that would be sent over a local area network, given a scenario of attached network devices and commands entered at workstations.
• Use a packet analyzer program to view and analyze packets on a local area network.

CSNT228 - Sys Adm & TCP/IP Ntwkg w/ Unix
• Describe the functions and tasks performed by the TCP, UDP, IP, ICMP, ARP, and DNS protocols and describe the functions associated with the layers of the TCP/IP networking model.
• Describe the history of UNIX/Linux, related licensing models, and security practices for a UNIX/Linux system related to performing common system tasks, managing user and group accounts, and access to system files and processes.
• Install a Linux operating system with a custom partitioning scheme and log into and out of a UNIX/Linux computer system using graphical and command line environments.
• Use UNIX/Linux command line (shell) commands to navigate and manage UNIX/Linux file systems, customize the user shell environment, back up files using archiving and compression, find files and text in the system using file name globbing and regular expressions, manage user and group accounts and permissions, manage processes and jobs, redirect command input and output, install and update software packages, locate and identify hardware devices in the UNIX/Linux system, create and manage partitions, manage system initialization and boot processes, configure networking, use network services and applications, and write simple shell scripts to automate tasks including decision and repetition structures using a text editor such as vi.

CSNT231 - Telecommunications
• Explain basic telecommunication terms and concepts.
• Fill out circuit failure tickets.
• Perform outage reporting and follow-up.
• Troubleshoot telecommunications circuits and systems.
• Use a variety of test equipment for circuit analysis and troubleshooting.
• Use patch panels for troubleshooting, quality control, and restoring service during outages.
• Use tip and ring concepts to create telecommunications circuits.

• Write basic technical instructions and reports.

CSNT240 - Computer Networking II
• Configure and troubleshoot basic and advanced operations of routers in IPv4 and IPv6 routed networks and implement OSPF and EIGRP routing protocols for IPv4 and IPv6.
• Configure and troubleshoot extended IPv4 and IPv6 ACLs, and end-to-end connectivity in small to medium-sized network using a systematic approach.
• Configure PPPoE, GRE, and single-homed eBGP.
• Describe the operations and benefits of Spanning Tree Protocol (STP) and link aggregation.

CSNT253 - System Admin. w/ Unix/Linux I
• Describe the history of UNIX/Linux, related licensing models, and security practices for a UNIX/Linux system related to automating system tasks, managing user and group accounts, and access to system files and processes.
• Install a Linux operating system with a custom partitioning scheme and log into and out of a UNIX/Linux computer system using graphical and command line environments.
• Use UNIX/Linux command line (shell) commands to navigate and manage the UNIX/Linux file system, customize the user shell environment, use archiving and compression to back up files, use file name globbing and regular expressions to find files and text in the system, manage user and group accounts and permissions, manage processes and jobs, redirect command input and output, schedule processes for execution using cron and at, install and update software packages using graphical and command line utilities, locate and identify hardware device files in the UNIX/Linux system, configure and manage hardware devices connected to UNIX/Linux system, and write shell scripts to automate tasks including decision and repetition structures using a text editor such as vi.

CSNT270 - Network Operating Systems I
• Administer and monitor a server.
• Backup and maintain a server.
• Configure a file server.
• Configure auditing and log analysis for a server.
• Configure different types of storage for a server.
• Create a document identifying best practices for securing a server.
• Create and configure local and network users and groups.
• Deploy a Virtualized Server environment.
• Deploy group policies to configure and secure a server.
• Describe best practices for hardening a server.
• Describe best practices for network security.
• Develop a disaster recovery plan.
• Implement Remote Access Service.
• Install a Windows Server operating system.
• Install and configure a Directory Services Infrastructure.
• Install and configure DHCP on the server.
• Install and configure Name Resolution on the server.

CSNT275 - Security Essentials
• Describe application, data and host security concerns.
• Describe appropriate security design methodology.
• Describe appropriate usage of cryptography.
• Describe cryptography and cryptographic algorithms and products.
• Describe different types of attacks along with different types of mitigation and deterrence techniques.
• Describe disaster recovery plans and procedures.
• Describe incidence response procedures.
• Describe issues with laws, policy and compliance as related to cybersecurity.
• Describe network security components and methods.
• Describe the characteristics and motivation of malicious players.
• Explain risk related concepts.
• Explain the function, purpose and best practices of authentication services.
• Explain the security function and basic cybersecurity concepts.
• Utilize assessment tools and techniques to security threats and vulnerabilities.

CSNT280 - Database Systems I
• Create an Entity-Relationship diagram based upon a fixed set of requirements.
• Define the steps required in the analysis for the development of a new database.
• Design and implement relational databases involving at least three underlying tables.
• Design and implement SQL queries for both Data Manipulation and Data Definition tasks.
• Explain the concepts of different database models.
• Explain the purposes of and differences between conceptual, logical and physical database design.
• Identify and explain the differences between different database models.

CSNT225 - Intro. To Internet Application
• Develop dynamic web pages that are based upon data stored in databases.
• Develop simple n-tiered Internet and Web-based applications.
• Develop web pages based upon the principles of good web design.
• Identify and explain the differences between Internet application technologies.
• Plan an n-tiered Internet/Web application.
• Understand and implement solutions for basic security considerations.

CSNT290V - CSNT Internship
• Demonstrate Job Performance: As part of a team, the student will perform all duties required at the cooperative education work site, demonstrating positive work habits and using appropriate procedures, tools and equipment, consistent with all applicable standards and OSHA regulations.
• Personal Assessment: The student will demonstrate an understanding of personal skills with an awareness of the impact of abilities and skills on career development and academic achievement.
• Secure Job Placement: The student will obtain a position with a company that is related to his/her major and perform a minimum of 75 hours per semester for each credit.

CSNT305 - Information Systems Security
• Design networks that comply with commonly accepted security standards.
• Explain fundamental concepts of information system security.
• Implement security mechanisms such as firewalls and packet filtering.
• Use various software tools to detect and analyze network and host vulnerabilities.

CSNT310 - Network Security
• Apply security technologies, products and solutions.
• Configure Intrusion Detection and Response software.
• Describe ethics related issued in network security.
• Describe various threats to information and network systems.
• Design, install, configure and maintain firewalls and secure routing.
• Install and configure a Virtual Private Network.
• Perform methods to secure a wireless, voice and video systems.
• Perform methods to secure and protect data in storage, transit and processing.
• Perform methods to secure Internet and collaboration applications.

CSNT315 - Network Management
• Configure management tools to use standard network management protocols.
• Describe ethical issues related to network management.
• Describe the role of network management protocols and network management tools within the framework of the network manager's role.
• Describe the role of the network manager in the development and continued operation of a computing network.
• Understand the use of standard IT management frameworks and their relation to the Network manager's role.

CSNT330 - Ethical Hacking
• Describe and perform basic reconnaissance exercises.
• Describe and perform various methods for evading security controls.
• Describe and perform vulnerability and pen testing assessments and exercises.
• Describe the concepts of ethical hacking.
• Describe various types of malware and cyber attack vectors and players.
• Execute basic attacks against network and computer systems.
• Explain the stages of a cyber attack.
• Scan and enumerate a network and a computer system.

CSNT331 - Telecommunications II
• Describe the basic concepts of an ATM network.
• Describe the basic concepts of an MPLS network.
• Describe the basic concepts of SONET.
• Describe the fundamental concepts of a connection-oriented network.
• Describe the purpose of Transition Technologies as it relates to networks.
• Explain the basic concepts of Traffic Engineering.
• Explain the basics of Carrier Ethernet.

CSNT336 - Malware Analysis
• Define and functionally use common low-level computer architecture terms such as instructions, stacks, heaps, registers, virtual memory, address space layer randomization, data execution prevention, and canaries.
• Describe the functionality of various industry and open source developed malware analysis tools; and add to this body of knowledge through automation and script development.
• Employ individual skills and teamwork to effectively analyze large code bases and unknown artifacts; and present findings in clear and concise reports and briefings.
• Perform typical functions of a malware analyst using dynamic and static analysis of artifacts to determine persistence; determine command and control infrastructure; determine communication protocols; provide signatures and countermeasures; develop automated analysis solutions; and discover malware presence.

CSNT340 - Advanced Routing
• Configure secure routing solutions to support branch offices and mobile workers.
• Implement IPv6, RIP, EIGRP, BGP, and OSPF in an enterprise network.
• Implement, monitor, and maintain routing services in an enterprise campus network.
• Plan, configure, and verify the implementation of complex enterprise LAN and WAN routing solutions.

CSNT345 - Multilayer Switching
• Analyze an enterprise campus architecture.
• Describe practices on securing the campus infrastructure.
• Implement high availability and redundancy in a campus network.
• Implement interVLAN routing.
• Implement the Spanning Tree Protocol.
• Implement VLANs.

CSNT350 - Junos Routing
• Configure and monitor basic routing protocols such as OSPF and BGP.
• Configure basic routing features such as, routing policies, static routing, routing instances, firewall filters, and class of service.
• Describe IP tunneling concepts.
• Describe the basic design of the Junos OS.
• Navigate within the Junos CLI.

CSNT370 - Integrated Network Application
• Describe the process of installing, configuring, and administering various network applications.
• Install and configure a messaging system.
• Install and configure domain name service.
• Install and configure dynamic host configuration protocol.
• Install and configure network information service.

CSNT372 - Network Operating Systems II
• Describe a Windows virtualized environment.
• Describe the process of monitoring, managing, maintaining, and securing a Windows network infrastructure.
• Implement and manage DHCP, DNS, Active Directory, and other infrastructure services in a Windows network.
• Install, configure, and maintain various server applications.

CSNT375 - Virtualization
• Describe ethical issues as related to the use of virtualization technology.
• Describe the architecture of a managed virtual environment.
• Describe the different components and platforms for data center storage.
• Describe the fundamental concepts of hardware virtualization.
• Describe the fundamental concepts of server and client virtualization.
• Describe the management of a virtual environment including live motion, resource management, monitoring, data recovery, high availability and fault tolerance.
• Install and configure a virtual server environment.

CSNT377 - Cloud Infrastructure
• Describe a traditional data center environment.
• Describe a virtualized data center environment.
• Describe ethical concerns as related to the use of cloud infrastructures.
• Describe the cloud infrastructure components and cloud service creation processes.
• Describe the configuration and management of cloud services.
• Describe the desktop and application services provided in a virtualized data center environment.
• Describe the procedure and concerns in migrating to a cloud environment.
• Describe the security concerns and countermeasures in a virtualized data center and a cloud services environment.
• Describe the storage and networking technologies used in a virtualized data center environment.

CSNT390 - Special Topics in CSNT
• Create or respond to an RFP utilizing this technology.
• Describe a method for updating or deploying this technology.
• Describe ethical issues as related to the use of this studied technology.
• Describe methods for managing, monitoring and securing this technology.
• Describe scenarios for utilizing this technology.
• Develop skills in a specialized field of Information and Communication Technology.
• Work in a group to analyze a project utilizing this technology.

CSNT397B - Big Data Analytics
• Apply the data analytics lifecycle to a simple business challenge
• Describe advanced data analytic methods
• Describe the basics of big data analytics
• Gain experience working with big data analytic technology and tools.
• Utilize basic data analytic methods with a scripting language

Cosmetology

Cosmetology
• Achieve the preliminary qualifications and requisites to apply for the licensing examination.
• Conduct services in a safe environment and take measures to prevent the spread of infectious and contagious disease.
• Describe and demonstrate the practical skills required to provide appropriate services to meet the needs of a variety of clients and/or students.
• Define and exhibit the basic art principles and elements related to the cosmetology.
• Explain the State of Hawai'i laws and rules which govern the cosmetology industry.
• Model professional life skills and express business principles associated with a professional salon environment.

CLO

COSM20 - Elem. Cosmetology Theory
• Compare and recognize the art principals and elements in found in nature, manmade objects and hair.
• Explain and follow the Hawai'i Revised Statutes, Hawai'i 438 and 439, Hawai'i Administrative Rules; Title 16; Chapter 78; and Title 11; Department of Health Chapter 11.
• Explain and identify the structure of the nail, its disorders and diseases.
• Explain and illustrate the law of color.
• Explain the relationship between microbiology, infection control safety and first-aid.
• Explain the structure of the hair, its disorders and diseases.
• Explain the structure of the skin, its disorders and diseases.
• Explain what are the different types of hygiene and which one is the government responsible for?

COSM21 - Elem. Natural Hair Services
• Compare the changes in volume and expansion which occurs when using wet vs thermal styling techniques.
• Explain and follow the Hawai'i Revised Statutes 438 and 439, Hawai'i Administrative Rules; Title 16; Chapter 78; Title 11; Board of Health Chapter 11.
• Explain the importance of following guidelines for safety, sanitation, and infection control for the industry, the client and the designer.
• Interpret the art principles and elements using the medium of hair.
• Translate protractor measurements in hair sculpting and the results each elevation will achieve.

COSM22 - Elem. Chemical Hair Services
• Analyze any technical weakness in a chemical service.
• Apply and compare the four basic hair color application techniques used in cosmetology.
• Demonstrate and compare the change in the hair with different texture services.
• Explain and rephrase the safety precautions used in most chemical hair services.
• Illustrate the law of color and discover how to use it in color formulas.

COSM23 - Basic Hair, Skin & Nail Skills
• Compare the basic skin types and the product used for each type.
• Explain and demonstrate the basic manicure and pedicure services.
• Explain and demonstrate the hair removal services used in cosmetology and the safety precautions.
• Explain the effects of massage on the body as it relates to cosmetology services.
• Summarize the decision of using one hair care product over another to achieve the desired care hair service.

COSM30 - Inter Cosmetology Theory
• Acquire the theoretical knowledge of electricity to perform safe, efficient salon services.
• Develop the theoretical knowledge of anatomy to perform salon services.
• Expound how reviewing previous information will improve on success for the cosmetology licensing exam.
• Interpret the Hawai'i Revised Statutes, CH 438 and 439; Hawai'i Administrative rules, Title 16, Chapter 78; and Title 11, Department of Health as it relates to the school and salon.

COSM31 - Inter. Cosmetology Clinic
• Define and execute thermal and wet hair design techniques.
• Describe and design hair texture techniques for permanent wave and hair relaxing.
• Explain and implement various hair coloring techniques.
• List hair sculpture tools and procedures, and perform hair sculpture techniques.
• Outline and practice safety and infection control for all services performed.
• Specify skin care products and techniques used, and execute skin care services.
• Summarize the details of, and perform nail care services.

COSM32 - Intermediate COSM Skills
• Demonstrate the knowledge and ability to create individualized texture designs using advanced chemical texturizing techniques.
• Demonstrate the knowledge and ability to perform color designs that are specifically designed with the male client in mind.
• Describe the tools and techniques, and follow the fundamental guidelines used to create a variety of men’s hair sculptures.
• Elaborate and demonstrate the fundamentals of day and evening makeup application.
• Establish the knowledge and proficiency to perform spa nail services.
• Interpret and create various advanced wet and thermal hair design techniques and patterns on a variety of sculpted forms.
• List the procedures of and follow fundamental guidelines for a European type of skincare treatment.

COSM33 - Life Skills for Cosmetology
• Affirm personal strengths and use them to the best advantage in building a successful career.
• Approach communication problems constructively.
• Explain the importance of self-esteem in relating positively to yourself and others.
• Identify aspects of personal identity worthy of self-respect.
• Identify the benefits and the significance of goal-setting and personal organization.
• Recognize, monitor and use forms of nonverbal communication to your advantage.
• Use professional etiquette to express respect, demonstrate integrity and communicate a commitment to personal excellence.

COSM40 - Advanced Cosmetology Theory
• Clarify and practice the safety precautions used in skin care services.
• Compare and classify the different types of ownership in the cosmetology industry.
• Define the relationship between chemistry and salon services.
• Describe the safety precautions when using chemicals and performing chemical services.
• Explain and follow the Hawai'i Revised Statutes 438 and 439, Hawai'i Administrative Rules; Title 16; Chapter 78; and Title 11 Department of Health Chapter 11 as it relates to the school and salon.
• Illustrate the safety precautions used in nail care services.

COSM41 - Advanced Cosmetology Clinic
• Define and integrate nail care services.
• Describe and carry out skin care services.
• Execute hair sculpture techniques.
• Explain and perform the hair texture techniques for permanent wave and hair relaxing.
• Expound and utilize safety and infection control for all services performed.
• Fulfill the thermal and wet hair design techniques.
• Specify and complete hair color techniques.

COSM42 - Advanced Cosmetology Skills
• Analyze the different types of hair enhancements and types of fibers used.
• Clarify how combining the four basic sculpture techniques will produce a variety of haircuts used to create looks for the consumer in the salon.
• Compare and distinguish the difference between the nail enhancement services.
• Differentiate the changes in the hair when applying special effects hair coloring in the form, texture and interest.
• Explain and apply the steps of a thermal recondition treatment in hair texture.
• Interpret and utilize the steps to achieve balance in a long hair design.
• List the procedures of and demonstrate the acupressure facial.

COSM43 - Salon Management
• Characterize the client factor.
• Describe the best practices for building a clientele.
• Express the meaning of success.
• List the five areas needed to create an exceptional guest experience.
• Show how to measure progress.

COSM50V - Cosmetology Theory & Practice
• Meet the prerequisite to qualify for the State Board Licensing Examination.

COSM80V - Cosmetology Instructr Training
• Define teaching, learning, and teaching methods.
• Define what is meant by barriers of learning.
• Describe the challenges for the four learning styles.
• Describe the purpose of grading.
• Describe various difficult learner behaviors and explain methods for managing them.
• Employ methods to strengthen the body or major content of a lesson.
• Explain the four critical principles used when correcting a learner's performance.
• Explain the importance of facilitating learning for all students regardless of their abilities.
• Explain the personal role of every school-team member.
• Explain the qualities for satisfactory performance within each area of performance.
• Explain the ten methods used for inspiring learner motivation.
• Explain what each component of a lesson plan is.
• Identify six of the basic needs common to learners of today.
• Identify the characteristics of the different types of learners.
• Identify the four categories of instructional materials.
• Identify the specific technical skills needed for entry-level practitioners in hair care, skin care, nail care electrology and massage therapy.
• List the advantages of lesson planning.
• List the characteristics of nine different types of grading styles.
• List the ten advantages for using educational aids.
• Name the ten steps that an educator can take to cultivate a positive relationship with superiors.
• Understand the three elements of zone teaching.

Early Childhood Education

Early Childhood Education
• Build positive relationships and guide all children through supportive interactions.
• Build respectful partnerships with children, families and their communities.
• Observe, document and assess all children's development and learning in partnership with families.
• Use content knowledge and appropriate pedagogy to create/design, implement and assess learning experiences.
• Use knowledge of child development and of individual children to create healthy, challenging learning environments and experiences.
• Use reflective practice to demonstrate professionalism.

CLO
ECED105 - Intro to Early Childhood Ed
• Describe the partnership between early childhood professionals and families.
• Discuss the foundations, issues and trends of early childhood care and education.
• Identify roles and career opportunities in early childhood education.
• Recognize and practice observation and documentation strategies.

ECED110 - Developmentally Appr Prac
• Express appropriate ways to relate to and guide every young child.
• Identify and analyze the components of environments for children that promote health, safety and learning.
• Select and demonstrate age and individually appropriate play-based activities for every child.

ECED115 - Hlth Sfty & Nutri Young Chldr
• Apply current health and safety principles to environments and practices for young children.
• Develop appropriate learning opportunities in health, safety, and nutrition.

ECED127 - Issues in Diversity
• Begin to plan culturally appropriate curricula and activities and communicate that information clearly to parents and families.
• Build upon collaborative and communication abilities in working with others as part of a diverse teaching team.
• Develop professionalism using personal strategies that provide for respectful experiences and relationships with children and families.
• Increase self-awareness sensitivity and knowledge of cultural differences.

ECED131 - Early Child Dev Theory Prac
• Apply child development knowledge to guide practice.
• Articulate how multiple factors affect development.
• Articulate key developmental theories and principles focused on prenatal to 8 years.
• Describe young children's developmental characteristics and needs in the developmental domains of physical, social/emotional, and cognitive.

ECED140 - Guid Young Child in Grp Set
• Communicate respectfully and effectively with children and families.
• Identify a broad range of positive guidance strategies to build respectful relationships with children.
• Use guidance strategies to promote the development of self-control and prosocial behaviors.

ECED151F - Field Exp Prac 1 in ECED
• Demonstrate an emerging ability to plan, implement, and assess all learning experiences.
• Demonstrate professionalism through reflection.
• Observe, document and assess individual children's development and learning.
- Practice positive relationships and interactions with diverse children and families.

**ECED151S - Field Exp Prac I ECED Seminar**
- Demonstrate an emerging ability to plan, implement, and assess all learning experiences.
- Demonstrate professionalism through reflection.
- Observe, document and assess individual children's development and learning.
- Practice positive relationships and interactions with diverse children and families.

**ECED152 - Early Literacy Development**
- Demonstrate competence in: identifying quality children’s literature, reading aloud to young children, promoting children’s development of writing, and evaluating children’s acquisition of early literacy concepts and skills.
- Demonstrate the practices that support children in learning the predictors of success in reading and writing: oral language competence, background knowledge, phonological awareness, graphic awareness, and concepts of print.
- Summarize the historical context and the contemporary perspective on how children become literate, and the research relevant to how children learn to read and write.

**ECED155 - Creative Art for Young Child**
- Use knowledge of the discipline of visual art to design appropriate visual art programs for young children.
- Use knowledge of young children’s characteristics (developmental, individual, and cultural) to design appropriate visual art experiences.

**ECED156 - Music & Movement for Young Child**
- Use knowledge of the disciplines of music and dance to design appropriate music and movement programs for young children.
- Use knowledge of young children’s characteristics (developmental, individual, and cultural) to design appropriate music and movement experiences.

**ECED157 - Puppetry for Young Children**
- Create and use puppets for curriculum enhancement to promote children's skills in language and literacy, reasoning, problem solving, and expression of feelings.
- Demonstrate how to puppetell fingerplays, poems, songs, and stories using a variety of puppets.
- Design and implement meaningful puppetelling and puppetizing activities for young children and to evaluate those activities when implemented.
- Evaluate puppetelling and puppetizing (children use puppets under the supervision of an adult) techniques which promote and guide prosocial and cooperative behaviors.
- Implement appropriate puppetmaking activities in which children use their imagination and make their own decisions concerning which materials they want to use to create a puppet.

**ECED158 - Hawn Culture for Young Child**
- Communicate respectfully and clearly with families using diverse means and help them understand children's development and learning.
- Demonstrate an awareness of the Hawaiian culture.
- Evaluate, select, and implement appropriate and effective teaching practices that promote a young child's awareness and understanding of the Hawaiian culture and practices that are consistent with Hawai'i 0-5 practice standards (ASK).

**ECED170 - Intro to Work w/Inf & Toddlers**
- Apply infant-toddler developmental theory to work with infants, toddlers and families.
- Build respectful relationships with children and families through a responsive caregiving environment.
- Demonstrate sensitivity to family diversity and cultural child rearing practices through respectful communication and curriculum.

**ECED234 - Observation and Assessment**
- Assess environments for young children using available tools and instruments.
- Differentiate between the appropriate and inappropriate uses of assessment instruments.
- Identify a range of screening and assessment instruments for young children.
- Interpret observations appropriately in assessing children's development.
- Use at least five different observation techniques beyond the "running record.”

**ECED245 - Child Family and Community**
- Demonstrate a variety of approaches and communication styles to build respectful partnerships with children, families and their communities.
• Describe significant characteristics of diverse families and communities to develop strategies that help empower families.

• Identify appropriate community resources that support diverse families and children.

**ECED257 - Early Mathematical Development**

• Develop a variety of teaching strategies that include the design of indoor and outdoor learning environments as a foundation for a mathematics curriculum.

• Plan mathematics curriculum activities consistent with recognized early childhood education content and process standards.

• Use a variety of techniques to assess children's mathematical learning.

• Use observation and assessment as a basis for planning mathematical experiences for individual children, as well as for groups of children.

**ECED263 - Lang & Creative Exprsn Curr**

• Collect authentic information about individual children in order to design and assess creative and language curriculum.

• Support children's learning in creative and language curriculum through a planned environment and interactions.

• Use content knowledge and appropriate pedagogy to write clear, useful creative/language plans that are then implemented and assessed.

**ECED264 - Inquiry & Phys Curriculum**

• Collect authentic information about individual children to design and assess inquiry/physical development curriculum.

• Design integrated curriculum around science or social studies topics meaningful to children.

• Support children's learning in inquiry and physical development curriculum through a planned environment and interactions.

• Use content knowledge and appropriate pedagogy to write clear, useful inquiry/physical development plans that are then implemented and assessed.

**ECED265 - Child. Lit. for EC Teachers**

• Present literature to children in a positive and appropriate manner through a variety of methods.

• Select books appropriate to a child’s development and characteristics as individuals and members of a community and culture.

• Support families in appreciating and using literature with their young children.

• Use knowledge of the discipline of literature to identify, select, and describe high quality literature for young children.

**ECED269 - Integrated Curriculum**

• Assess children's acquisition of concepts and skills related to an integrated unit of study.

• Design an environment and materials that support an integrated unit of study.

• Design an integrated unit of study appropriate for young children based on social studies and science topics.

• Integrate all curriculum areas related to a social studies or science unit of study.

• Select integrated study topics that are meaningful to a particular group of children and their families and community.

**ECED274 - Infant-Toddler Env Rel**

• Articulate knowledge of issues or trends central to infant-toddler care.

• Create a safe, healthy and engaging learning environment and curriculum for infants, toddlers and their families.

• Generate principles of respectful relationships, teaching practices and care giving practices that support early development and learning.

• Generate principles of respectful relationships, teaching practices and caregiving practices that support early development and learning.

**ECED275 - Includ. Child. w/ Spec Needs**

• Create, design and assess learning experiences that encourage the development of social, speech/language communication, cognitive/perceptual, self-care and motor skills for young children with special needs.

• Describe the legal basis to family-oriented service and advocate for partnerships with families of young children with special needs.

• Design learning environments that accommodate children with special needs.

• Discuss questions having to do with the history of services for young children with special needs.

• Examine the inclusion model, including the benefits and barriers to inclusion.

• Identify a broad range of guidance strategies in working with challenging behaviors of young children with special needs that builds respectful relationships.

• Recognize the different purposes of observation, assessment and planning for young children and their families.
ECED296B - Infant-Todd Sem: FLD EX ECE II
• Assess children's progress using formal and informal observation and assessment tools and methods.
• Communicate and build relationships respectfully, effectively and appropriately with children and adults.
• Create curriculum and learning environments based on knowledge of child development, understanding of individual children, and reflective of the particular community of children and families.
• Participate actively in planning and decision-making concerning the educational, physical, fiscal and human resources in classrooms and programs for children.
• Reflect on practice professionally and base decisions and actions on ethical and other professional standards.
• Use appropriate and respectful guidance practices with children.

ECED296C - Presch Sem: Fld Exp ECED II
• Assess children's progress using formal and informal observation and assessment tools and methods.
• Communicate and build relationships respectfully, effectively and appropriately with children and adults.
• Create curriculum and learning environments based on knowledge of child development, understanding of individual children, and reflective of the particular community of children and families.
• Participate actively in planning and decision-making concerning the educational, physical, fiscal and human resources in classrooms and programs for children.
• Reflect on practice professionally and base decisions and actions on ethical and other professional standards.
• Use appropriate and respectful guidance practices with children.

ECED296I - Inf-Todd Lab: Fld Exp ECE II
• Assess children's progress using formal and informal observation and assessment tools and methods.
• Communicate and build relationships respectfully, effectively and appropriately with children and adults.
• Create curriculum and learning environments based on knowledge of child development, understanding of individual children, and reflective of the particular community of children and families.
• Participate actively in planning and decision-making concerning the educational, physical, fiscal and human resources in classrooms and programs for children.
• Reflect on practice professionally and base decisions and actions on ethical and other professional standards.
• Use appropriate and respectful guidance practices with children.

ECED296P - Presch Lab: Fld Exp ECED II
• Assess children's progress using formal and informal observation and assessment tools and methods.
• Communicate and build relationships respectfully, effectively and appropriately with children and adults.
• Create curriculum and learning environments based on knowledge of child development, understanding of individual children, and reflective of the particular community of children and families.
• Participate actively in planning and decision-making concerning the educational, physical, fiscal and human resources in classrooms and programs for children.
• Reflect on practice professionally and base decisions and actions on ethical and other professional standards.
• Use appropriate and respectful guidance practices with children.

ECED297 - Observation, Doc, Assessment
• Identify a range of approaches to utilizing observations, as well as family and teaching team input, to develop responsive curriculums
• Interpret observations appropriately in assessing children's development.

Fashion Technology

• Construct garments using various sewing techniques.
• Cut fabric using appropriate tools, including power tools.
• Define the fashion industry’s manufacturing process.
• Design and sketch appropriate garment designs suitable to the market or customer.
• Drape, draft or manipulate flat patterns to create accurate garment patterns.
• Fit garments on various body types and be able to make the proper adjustments.
• Grade the finished patterns into various sizes.
• Lay perfected patterns correctly and economically onto markers or fabric.
• Present the garments in a professional manner to “sell” the designs.
• Select appropriate fabrics and notions suitable to the garment’s design.

CLO

FT28 - Intro to Industrial Sewing
• Construct complete garments using only industrial machines and attachments.
• Discuss aspects of the garment industry.
• Operate industrial machines.
• Use industrial attachments.
• Use necessary garment industry terminology.

FT29 - Textile Art
• Apply the principles of design to translate abstract ideas into visual format.
• Demonstrate progressive development in textile design.
• Utilize various textile design techniques.

FT30 - Basic Creative Designing
• Conduct research on starting and running a business.
• Construct a collection of clothing.
• Create a collection of garments for a specific target group or store.
• Draft or drape a collection of clothing.
• Present a line of clothing to potential buyers.
• Present an oral report on starting and running a business.
• Price a collection for retail or wholesale.

FT32 - Advanced Apparel Design
• Adjust patterns to fit individual figures.
• Apply proper sewing techniques and finishes to customer projects.
• Give accurate fittings.
• Handle customer relations.
• Perform various alterations on completed garments.

FT36 - Draping
• Creatively drape original designs.
• Drape the following garment designs using a dress form: basic bodices; basic skirts; kimono sleeves; basic collars; cowl necklines; basic shifts.
• Produce accurate patterns from draped designs.

FT38 - Draping and Design
• Conduct research on fashion designers.
• Construct designs for the marketable, ready-to-wear price range.
• Construct original designs.
• Create original designs using ethnic or historical research as inspiration.
• Drape or draft original designs.
• Present oral reports on fashion designers.
• Simplify costly, complicated designs.

FT40 - Fabric Analysis
• Discuss the importance of the textile and fashion industries.
• Discuss the manufacturing of fibers, yarns, and fabrics.
• Identify coloring and finishing techniques used in fabrics.
• Identify the various yarns, weaves, and knit stitches used in fabrics.
• Interpret textile legislation regulating fiber content and care labeling.
• Perform simple physical tests in identifying fiber content.
• Recognize sources and properties of natural and man-made fibers.
• Recommend appropriate care of various fabrics.

**FT41 - Apparel Design**
• Construct garments.
• Draft design sketches into flat patterns.
• Draft the following patterns from basic measurements: bodice sloper; sleeve sloper; skirt sloper; pants sloper; aloha shirt; child's bodice sloper; child's sleeve sloper.
• Finish garments.
• Fit garments.
• Measure an individual accurately.
• Produce accurate paper patterns with correct symbols and markings.

**FT43 - Cut Room Functions**
• Apply the following principles of marker-making: proper pattern placement; attention to order requirements; cost effective fabric yield; accuracy and neatness.
• Avoid waste of lay-up fabric.
• Follow a production order form.
• Identify the characteristics of lay-up fabric.
• Maintain industrial fabric cutting machines and related equipment.
• Operate industrial fabric cutting machines and related equipment.
• Use various spreading techniques and equipment.

**FT90 - FT Special Topics**
• Adjust swimwear and active wear patterns.
• Apply sewing techniques specific to stretch fabrics.
• Begin creation of a fashion designer's portfolio.
• Construct a bridal accessory for a trousseau.
• Construct a bridal/formal gown.
• Create new clothing designs inspired by history or other sources.
• Design a bridal accessory for a trousseau.
• Design a bridal/formal gown.
• Design swimwear and active wear patterns.
• Fit swimsuits and other active wear.
• Operate machines necessary to construct garments from stretch fabrics.
• Recognize notions and fabrics used to make stretch swimsuits and other active wear.
• Recognize vocabulary essential to the bridal industry.
• Select appropriate bridal/formal designs.
• Select appropriate fabric.
• Sketch effectively with advanced drawing techniques.
FT100 - Fashion Modeling
• Convey the moods appropriate for modeling different types of garments.
• Discuss the importance of stage make-up and hairstyles.
• Sell the garments from the runway.
• Show garments during an informal fashion show setting.
• Use correct walking techniques for ramp modeling.

FT111 - Art & Design In Fashion
• Analyze clothing styles that reflect the various personality types.
• Define figure types.
• Describe techniques of optical illusion used to achieve dress objectives.
• Describe the elements of clothing design.
• Describe the principles of clothing design.
• Examine the optical effects of design elements on appearance.
• Explain the importance of appearance in first impressions.
• Identify clothing styles that are flattering to each figure type.
• Identify features and figure types that can be enhanced by design principles and elements.
• Identify messages conveyed via clothing appearance.
• Identify personal coloring.
• Plan a well coordinated wardrobe utilizing the following information: lifestyle; wardrobe inventory; design elements; design principles; quality; fit; value; cost plan.
• Select hues that are flattering.

FT125 - Fashion Show Production
• Develop logical, detailed plans for other fashion promotions.
• Develop logical, detailed plans for the production of a fashion show.
• Examine the theories behind successful promotions.
• Implement the fashion promotion plans.
• Implement the fashion show plans.

FT140 - Fabric Technology
• Become familiar with sources and properties of natural and manufactured fibers.
• Identify the various yarns, weaves and knit stitches used on fabrics.
• Perform simple physical tests in identifying fiber content.
• Recommend appropriate care of various fabrics.
• Understand textile legislation regulating fiber content and care labeling.
• Understand the importance of the textile industry in the fashion industry.
• Understand the manufacturing of fibers, yarns, and fabrics.

FT160 - Comp Pattern Gdng & Marking
• Arrange pieces on a marker.
• Conduct daily activities.
• Create parameter tables.
• Create rule tables.
• Digitize pieces.
• Generate system reports.
• Plot a marker.
• Power up the system.
• Process an order.
• Verify digitized pieces.

FT170 - Computerized Pattern Making
• Navigate through Pattern Design System (PDS), draft pattern pieces using PDS, clean up basic functions following draft, piece functions in PDS, line functions in PDS, and point functions in PDS.

FT197 - Introduction to 3D Printing
• Demonstrate knowledge of key historical factors that have shaped manufacturing over the centuries
• Describe the advantages and limitations of each 3D printing technology
• Design and print objects containing moving parts without assembly
• Identify opportunities to apply 3D printing technology for time and cost savings

FT200 - Culture, Gender and Appearance
• Demonstrate the impact of culture and gender on market trends.
• Describe the role appearance plays in gender development, interpret the communicative nature of appearance and expressions of identity.
• Evaluate clothing as a form of material culture.
• Identify and describe the ways in which historical socio-cultural and psychological factors influence the meaning of dress and appearance behaviors.
• Synthesize concepts and theories to describe the role of individual choice in appearance.
• Understand and describe the role of dress in reflecting and shaping human interactions.

FT205 - Mat & Methods of Clothing
• Adjust a basic dress.
• Apply basic stitching techniques to various parts of a garment.
• Construct a basic dress.
• Discuss quality construction terms and processes.
• Evaluate the fit of a garment.
• Evaluate the quality of garment construction.
• Operate a home sewing machine.
• Record body measurements.
• Take body measurements.

FT215 - Flat Patternmaking I
• Execute drafts for women's apparel using a basic block pattern.
• Manipulate darts through the pivot and slash & spread methods.
• Manipulate the flat pattern to create a design.
• Transfer a design sketch into a pattern.

FT216 - Fashion Design & Sketching
• Develop fashion formats in an organized and professional manner.
• Sketch the fashion figure in proportion.
• Sketch the fundamental fashion details.
• Transmit ideas through sketching.
• Use media and drawing techniques in layout presentation.

FT217 - Flat Patternmaking II
• Apply construction concepts and skills to a final garment.
• Apply pattern-making concepts and skills to a final garment.
• Discuss construction and pattern-making terms and processes.
• Solve fitting problems.
• Test fit patterns in muslin to standard dress forms.
• Use professional fabric handling techniques.
• Use professional garment construction techniques.
• Use professional pattern-making techniques.

FT237 - Pattern Grading
• Grade patterns manually to different sizes.
• Grade the following items: bodices; skirts; collars; sleeves; pants; miscellaneous pattern designs.
• Use a grading machine to grade patterns to different sizes.

Food Science and Human Nutrition

PLO
No PLOs

CLO

FSHN185 - The Science of Human Nutrition
• Compare the various types of nutrition research with respect to type and reliability of information produced.
• Define malnutrition as over- and under-nutrition, and discuss its causes, cures, and associated health effects.
• Describe physiological changes that occur during the life cycle and explain the changes in nutrient needs that accompany these changes.
• Describe what nutrients are and state basic information about each of six categories of nutrients (e.g., functions in the body, risks of excesses/deficiencies, sources, guidelines for intake).
• Discuss current issues related to the safety of the food supply using concepts from toxicology.
• Discuss how alcohol and other drugs interact with nutritional processes.
• Evaluate nutrition information in popular media critically, with respect to its correctness.
• Identify factors that influence why you eat as you do and how to make changes in your diet.
• Identify which nutrients are sources of energy for the body and how an excess or a deficiency of energy can affect the body.
• Use and understand the components of a food label.
• Use the U.S. Dietary Guidelines and Food Pyramid to evaluate the nutrient adequacy of your diet.

Human Services

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HDFS100 - Personal & Professional Dev
• Demonstrate an understanding and ability to critically assess individual strengths and weaknesses.
• Demonstrate an understanding of elements that contribute to healthy psycho-social development and strategies that support healthy development for optimal functioning in society and the larger global community.
• Demonstrate an understanding of emotions and emotional intelligence.
• Demonstrate an understanding of various influences on self-esteem and self-concept.
• Participate in individual and group mock job interviews.

HDFS133 - Dynamics of Family Violence
• Demonstrate an understanding of criminal justice research in the field of domestic violence.
• Demonstrate an understanding of the dynamics involved in abusive relationships and various forms of child, partner, and elder abuse.
• Demonstrate an understanding of the legal, medical and social perspectives of family violence.
• Demonstrate knowledge and understanding of the major models and theories of family violence.
• Demonstrate knowledge of the police/court responses to family violence and of the intervention strategies, as well as prevention and treatment resources.

• Describe the physical, mental, and financial consequences of family violence.

HDFS141 - Parenting
• Demonstrate an understanding of a variety of parenting strategies or styles and their impact on the child’s development and parent-child relationship.

• Demonstrate an understanding of research on child development and the parent-child relationship.

• Demonstrate an understanding of the social, economic, and cultural influences on the parenting process.

• Demonstrate knowledge and understanding of the theories on parenting and child development.

• Identify and describe the major parenting tasks and major problems for each of the age ranges (infant to adult).

HDFS199V - Special Studies
• Investigate topics of particular interest in human services.

HDFS230 - Human Development
• Apply human development concepts, theories, and research findings as they relate to everyday life situations.

• Demonstrate knowledge and understanding of the processes of change in all domains (physical, cognitive, psycho-social) throughout the lifespan.

• Demonstrate knowledge and understanding of the various theoretical perspectives in the study of human development that includes psychosocial, cognitive, social learning, humanistic, and biocultural theories.

• Identify and describe the different research methods and ethical guidelines for researchers.

• Use human development terminology in discussing current events, issues, and trends in current research.

HDFS244 - Aging
• Analyze current research in gerontology and relate its implication to the support and/or care of older adults.

• Conduct exploratory interviews with older adults or professionals in the gerontology community.

• Demonstrate an understanding of the theories on aging and the myths and stereotypes about aging.

• Describe the demographic characteristics of the older population and the future population trend.

• Discuss and formulate opinions about social and health policies related to older adults (e.g., Social Security, Medicare, Medicaid).

• Explain the biological, cognitive, social, and personality changes associated with aging.

• Identify various services and resources available through government, non-profit, and for-profit organizations that promote quality of life for older adults.

HDFS296 - Working With People
• Define terms and concepts relevant to the field of human relationships.

• Demonstrate ability to recognize communication barriers and to identify and to use effective communication skills.

• Demonstrate ability to recognize conflict management styles and to use appropriate conflict management skills.

• Demonstrate knowledge of and the application of personal and workplace ethics.

• Demonstrate knowledge of the group problem solving and decision making processes.

• Demonstrate knowledge of various types of intrapersonal and interpersonal behaviors.

• Identify ways to manage and prevent stress and anger.

HDFS299V - Special Studies
• Investigate topics of particular interest in human services.

HSER121 - Family Dynamics & Thesoc Wk
• Demonstrate an understanding of family dynamics, including, self-esteem, communication, and rules.

• Demonstrate an understanding of social work; values, ethics and basic principles.

• Demonstrate an understanding of the elements of an initial social work interview.

• Demonstrate an understanding of the helping relationship and engagement in working with clients.

HSER140 - Individual Counseling
• Demonstrate ability to apply counseling and problem-solving skills given case scenarios and/or actual case situations and in a video-taped mock counseling session.

• Demonstrate an understanding of the helping process model.

• Demonstrate an understanding of the importance of helper introspection.

• Describe professional ethical guidelines when counseling individuals.

HSER150 - Group Counseling

• Demonstrate knowledge of the ethical and professional issues in group practice.

• Describe stages of group development and challenges and issues.

• Discuss theoretical approaches used in group counseling and their advantages and limitations.

• Identify the various types of groups, explain their purposes, and give examples for each type of group.

• Understand the role of the group leader or group facilitator; and identify and discuss group leadership or facilitation skills.

HSER170 - Substance Abuse Counseling

• Demonstrate ability to do an initial assessment of a client requesting entry into treatment.

• Demonstrate an understanding of the cost to society from addiction.

• Demonstrate knowledge of the physical and psycho-social effects of different classes of substances.

• Demonstrate knowledge of the substance abuse laws and ethics of the substance abuse profession.

• Identify and explain the components of the substance abuse screening and referral process.

HSER190 - Internship Seminar

• Analyze problems in work practicum settings.

• Maintain confidentiality of client information.

• Use helping skills in discussions of client/work situations.

HSER191V - Human Services Internship

• Demonstrate a working knowledge of the host human services agency's mission, services, fees, and referral sources.

• Demonstrate ability to relate effectively with clients using basic human services knowledge and skills in an ethical and culturally sensitive manner.

• Demonstrate ability to work effectively with agency's supervisors and colleagues.

• Develop personal learning goals and objectives in measurable terms appropriate to the agency setting.

HSER199V - Special Studies

• Investigate topics in human services.

KLS195 - Personal Health & Wellness

• Apply theoretical and pragmatic approaches to the study of overall wellness through the life cycle.

• Demonstrate ability to monitor, understand, and impact changes in one's own health status.

• Demonstrate knowledge and understanding of basic definitions, concepts, principles, theories, and issues that provide a multi-disciplinary foundation for understanding core concepts in health.

• Describe and explore factors influencing one's own concept of health by examining one's emotions about the issues, one's personal values and beliefs, and analyzing one's health-related behaviors.

• Identify health agencies in the community and credible information available on the Internet.

• Recognize health-related similarities and differences among people and the community at large.

SW200 - The Field of Social Work

• Analyze social problems affecting individuals, families, groups, and communities.

• Describe the professional characteristics of social work.

• Explain social work values and their implications in the field.

• Identify principles and skills involved in social work.

• Recognize personal characteristics and their implications in the practice of social work.
### Information and Computer Science

#### Human Services
- Obtain information and guidance to transfer to a baccalaureate human services or social work program if desired.
- Work in the field of human services to serve clients or carry out other supportive human service agency functions.

#### CLO

**ICS100 - Computing Literacy & Apps**
- Define, explain, and demonstrate proper computing terminology usage in areas such as hardware, software, and communications.
- Describe ethical issues involved in the use of computing technology.
- Utilize online resources for research and communication.
- Utilize operating system interfaces to manage computing resources effectively and securely.
- Utilize the basic features of computing applications to communicate effectively (major content area).

**ICS101 - Digital Tools for Info World**
- Choose the proper application software to solve a specific problem and/or produce a desired output.
- Create a relational data base table with filters, queries and reports that extract and display records.
- Create a variety of electronic slides using templates, background styles, graphics, photographs, and animation effects.
- Demonstrate the integration of different application output.
- Demonstrate the use of the operating system to manage software files and folders.
- Describe the use of computer technology and its impact on society.
- Explain why data created on the computer must be saved on a storage device.
- Produce a document in a variety of formats using word processing software.
- Solve and display the results of a mathematical or financial analysis using spreadsheet software.
- Use a browser to navigate and search the Internet for research topics.
- Use an electronic mail program to send and receive messages and attachments.
- Use proper terminology to describe computer hardware components and their function in processing software instructions and input data.

**ICS102 - Intro to Internet Resources**
- Create a Web site on a local or remote server.
- Create Web pages by writing HTML code with a simple text editor.
- Describe how JavaScript can be used to create dynamic web pages.
- Discuss network security problems and protection against viruses.
- Insert hyperlinks and various image and sound formats into a Web page.
- Manage Web page files and folders including the assignment of permission codes.
- Use Cascading Stylesheets to style a web page.
- Use JavaScript to perform simple animation on a web page.
- Use Secure File Transfer Protocol to upload and download files via the Internet.

**ICS110P - Intro to Information Systems**
- Apply analytical and problem solving skills when writing programs.
- Explain the steps involved in the programming process.
- Solve simple problems and express those solutions as algorithms.
- Understand web technologies and develop programs to interact with them.
- Write simple programs that use input, output, selection statements, and repetition statements.

**ICS111 - Intro to Comp Science - Java**
- Demonstrate basic problem solving skills: analyzing problems, modeling a problem as a system of objects, creating algorithms, and implementing models and algorithms in an object-oriented computing language.
• Demonstrate working with primitive data types, strings and arrays.
• Illustrate basic programming concepts such as program flow and syntax of a high-level general purpose language and basic security practices.
• Use an appropriate programming environment to design, code, compile, run and debug computing programs.

ICS141 - Discrete Math Comp Sci I
• Determine whether or not a relation is a partial order.
• Find the closure of a relation.
• Prove mathematical theorems, including proofs using mathematical induction.
• Solve counting problems using basic counting techniques.
• Solve counting problems using the concepts of permutations, combinations, and binomial coefficients.
• Solve problems in elementary set theory.
• Solve problems in prepositional logic.
• Solve simple recurrence relations.
• Use Venn diagrams.
• Work with reflexive, symmetric, transitive, equivalent, and anti-symmetric relations.
• Work with truth tables.

Music and Entertainment Learning Experience

Music & Entertainment Learning Experience
• Career Pathways and Income Streams - understand and identify primary income streams of intellectual property, jobs, projects, entrepreneurial opportunities and partnerships.
• Etiquette and Communication - demonstrate industry professional vocabulary, terminology, articulation, dress, and hygiene.
• Industry Ethics and Standards - understand business, technology, policy and practices in music and entertainment.
• Music and Entertainment Business - identify and compare traditional and modern record label, publishing, marketing, advertising, production, public relations and event company business models.
• Music Fundamentals - understand and apply modern theory techniques in music, songwriting, sequencing, beat creation and traditional methods.
• Operation and Procedures - extensive knowledge in operations of music business, recording studios, and live events.
• Problem Solving - effectively demonstrate technical, business, and production troubleshooting skills to solve problems.
• Production and Planning - conceptualize and apply skills in the area of live events, artist development, public relations and recording studio productions.
• Recording Technology - proficiently produce, record, edit, mix and master audio for music and entertainment.
• Science and Technology - thorough understanding of human hearing, sound properties, acoustics, electronics, physics, and audio systems.

CLO

MELE101 - Survey of Mus & Ent Business
• Demonstrate a basic understanding of copyright law with respect to the music & entertainment industry.
• Demonstrate a basic understanding of the contracts and terminology used in the music & entertainment industry.
• Demonstrate a basic understanding of the major revenue streams in the music & entertainment industry.
• Demonstrate knowledge of the career options and roles in the music & entertainment industry.
• Demonstrate knowledge of the major entertainment conglomerates and their country of origin.

MELE102 - Survey of Recording Technology
• Demonstrate ability to conduct, analyze and interpret experiments, and apply experimental results to improve processes.
• Demonstrate an ability to communicate effectively.
• Demonstrate an ability to understand professional, ethical and social responsibilities.
• Demonstrate appropriate mastery of the knowledge, techniques, skills and modern tools of the discipline of audio engineering.
• Demonstrate knowledge of the history and evolution of recording technology.
• Demonstrate the ability to apply creativity in the design of audio engineering systems, components or processes appropriate to program objectives.

• Demonstrate the ability to apply current knowledge and adapt to emerging applications of science, technology, engineering, and mathematics.

• Demonstrate the ability to identify, analyze and solve technical problems.

MELE103 - Modern Music & Theory
• Demonstrate an ability to identify notes, chords, and rhythm.
• Demonstrate an ability to name and identify various musical instruments and their families.
• Demonstrate an ability to write music notation and create a lead sheet.
• Demonstrate knowledge of basic song forms and songwriting techniques.

MELE104 - Songwriting & Arranging Tech.
• Analyze the manner in which rhythm, melody, harmony, and lyrics work together to create memorable songs.
• Collaborate with other student songwriters to create song compositions and demo recordings ready for pitching.
• Create original songs with lyrics, melody, and chord progressions that demonstrate competence of song structure and a variety of lyrical techniques.

MELE201 - Hist of the Rec & Ent Industry
• Demonstrate a basic understanding of how the recording industry developed in terms of music, business, and technology.
• Demonstrate a basic understanding of recording labels and popular music recordings from 1877 to the present.
• Demonstrate a basic understanding of the recording industry in Hawaii, its historical origins, key performers, and organizations.

MELE202 - Pub Rel Mus & Ent Industry
• Build an electronic press kit for use in an artist website.
• Compile and present the different components of a press kit.
• Critique, compare and rate various artist websites.
• Understand artist image and its importance in the public relations field.
• Write a press release.
• Write an artist biography.
• Write effective story hooks.

MELE203 - Intel Prop Mus & Ent Industry
• Demonstrate a basic understanding of how intellectual property rights can be infringed.
• Demonstrate a basic understanding of the different types of intellectual property with primary emphasis on copyright law.
• Demonstrate a basic understanding of the exclusive rights under copyright law.
• Demonstrate a basic understanding of the process for registering copyrights and trademarks.

MELE204 - Mus Pub in the Ent Industry
• Demonstrate a basic understanding of different types of publishing deals available to songwriters.
• Demonstrate a basic understanding of the creative tasks performed by music publishers.
• Demonstrate a basic understanding of the revenue streams available to music publishers.
• Demonstrate a basic understanding of the role music publishing plays in the music & entertainment industry.

MELE205 - Concert & Event Production
• Demonstrate an understanding of the logistics involved with planning a concert/event from artist & venue selection, budgeting, accommodations, technical & hospitality requirements, promotion & publicity.
• Demonstrate an understanding of the typical types of deals and the income streams found in the concert/event business.
• Demonstrate an understanding of the vocabulary and concepts used in the concert/event business.
• Identify the key organizations/individuals and their specific roles in the concert/event business.

MELE206 - Music Supervision
• Demonstrate an understanding of effective music placement.
• Demonstrate an understanding of the career opportunities for music supervisors.
• Demonstrate an understanding of the licenses and cue sheets required for creative media projects.
• Demonstrate an understanding of the music supervision and production workflow.

MELE211 - Audio Engineering 1
• Demonstrate an ability to identify, analyze and solve technical problems.
• Demonstrate an appropriate mastery of studio mixing techniques.
• Demonstrate an appropriate mastery of studio outboard equipment including spectral, dynamic, and time processors.
• Demonstrate an understanding of basic electronic audio signal flow in the recording studio.
• Demonstrate proper recording session procedures for tracking, overdubbing and mixing sessions.

MELE212 - Digital Audio: Theory and DAW
• Apply basic concepts and techniques learned, into industry applications in the areas of film, music and game audio.
• Effectively navigate menu systems, system configurations, file structures, main windows, edit tools and modes, time rulers and midi controls of ProTools software.
• Identify software and hardware components, file formats, plug-ins, virtual instruments, editing tools and functions of a digital audio workstation.
• Recall significant dates, events and technological advances in digital audio.
• Understand the theory and application of MIDI protocol.

MELE213 - Studio Production
• Analyze existing music productions from different recording eras.
• Demonstrate techniques, skills, and modern tools of the discipline of audio production.
• Identify, analyze and solve technical problems.
• Plan, conduct, and conclude recording sessions.
• Understand professional, ethical and social responsibilities.

MELE214 - Electronics for Audio Eng.
• Demonstrate their knowledge of audio electronics including basic circuit design, signal flow and system troubleshooting.
• Have a general understanding of electronics and circuit theory to assist them in the understanding and application of audio engineering.
• Interpret basic electronic schematics and manuals, operate electronic meters, oscilloscopes and utilize audio analyzers.

MELE215 - Sound Reinforcement
• Apply analog console live signal routing and signal flow charts.
• Design, assemble, trouble-shoot and operate small venue sound systems with a knowledge base of large concert venue sound systems.
• Identify and analyze live acoustic and audio system technical problems.

MELE216 - Live Audio for Media
• Design, assemble, trouble-shoot, operate and record in Live Audio for Media settings.
• Obtain quality audio for various Internet Mediums.
• Set up audio for Conferences, Field Recordings, Set recordings and Live Events.

MELE220 - Audio Engineering II
• Apply basic audio perception skills required of the recording engineer.
• Operate the NEVE consoles as well as analog and digital recording equipment found in the Mike Curb MELE Studios.
• Organize, execute, document, and participate in recording sessions in the Mike Curb MELE Studios.

MELE222 - Adv. Digital Audio: Theory & DAW
• Apply advanced concepts and techniques learned, into industry applications in the areas of film, music and game audio.
• Effectively navigate advanced menu systems, system configurations, file structures, main windows, edit tools and modes, time rulers and midi controls of ProTools software.
• Identify advanced software and hardware components, file formats, plug-ins, virtual instruments, editing tools and functions of a digital audio workstation.
- Understand advanced theory and application of MIDI protocol.

**MELE275 - Practicum**
- Acquire marketable skills and make valuable industry connections.
- Apply music business/audio technology theories and principles to specific situations within their practicum experience.
- Observe and reflect on professional behavior in the music industry.
- Obtain practical experience in the music & entertainment industry.

**MELE311 - Audio Post Production I**
- Apply advanced post production recording techniques to film, animation and game audio.
- Record post production audio with advanced recording techniques such as Dialogue, Voice Over, ADR, and Sound Effects and Design.

**MELE320 - Audio Post Production II**
- Apply advanced post production recording techniques to Film, Animation and Game Audio.
- Identify and pull all of the sound elements together for final mixing.
- Implement the use of Surround Sound in a final Mix.
- Record and edit Foley.
- Using a proper workflow, balance all of the elements for a project.