HWC 329 Complementary and Alternative Medicine
Human service workers are often required to discuss issues of health and healing. Many individuals, by virtue of their culture, experiences and/or choice, often adhere to a combination of nontraditional and traditional beliefs regarding health care. Familiarizes students with those methods and beliefs most often found in specific cultures. Students will develop an appreciation of each practice in order to interact with clients from a strengths perspective and will gain an international perspective on health care modalities. Co-scheduled with HWC 529.
2 credits

HWC 340 Social Issues in Popular Culture
Movies have been a useful medium that can illustrate current social issues and family dynamics, as well as policy and research dilemmas. Each week, a film with a central practice/research/policy issue provides the basis for a lecture and class discussion. Topics focus on a variety of social issues such as family dynamics, bereavement, adoption, domestic violence, abuse, residential placement, policy and research. Co-scheduled with HWC 540.
2 credits

HWC 347 Managing Conflict
A major concern for health and human service managers is conflict in organizations, community and group settings. This course discusses the causes of conflict, strategies for managing conflict, and the impact of conflict on individuals, groups, organizations, and society. Emphasis on applications in health and human services. Co-scheduled with HWC 547.
Prerequisite: Admission to Undergraduate Health Sciences Center program
2 credits

HWC 349 Overview of Social Work with Special Populations
Examines the issues that social workers must consider when working with traditionally disenfranchised populations. Emphasis will include macro and micro issues when intervening with gay and lesbian individuals, members of diverse racial and ethnic groups, and women, as well as others. The historic as well as contemporary experiences of these individuals’ interactions with the health and human service delivery system will be explored. Co-scheduled with HWC 549.
2 credits

HWC 351 Law and Social Change
Introduces students to the interrelationship of the legal process in the United States and the profession of social work. Focuses on the legal process in general, social welfare law, in particular, and the implications for effective social work practice. Co-scheduled with HWC 551.
2 credits

HWC 361 Implications of Racism for Social Welfare
Examines personal and institutional racism in the United States and the effect racism has on the delivery of services to individuals who do not fit the traditional “American model.” Examines the historical relationship between racism and social welfare policies, programs and practice, as well as contemporary strategies for change. Co-scheduled with HWC 561.
2 credits

HWC 363 Homelessness, Politics and Public Health
Analyzes homelessness as an issue of social policy, including its history, recent causes, and current demographics. Examines the political and economic context that has made homelessness a major social problem. Co-scheduled with HWC 563.
2 credits

HWC 379 Special Topics in Social Welfare
Examines significant timely issues confronting the profession. Topics include violence as a public health problem, issues of aging, racism, gender, AIDS, the media, spirituality, forensic social work, international social work and others. Topics vary each term as faculty develop specific modules that address one or more of these issues. Co-scheduled with HWC 579.
Prerequisite: Admission to Undergraduate Health Sciences Center program
1-3 credits

INT International Studies

INT 201 Democracy and Capitalism
Introduction to the two major ideologies and structures shaping the world today: democracy and the interstate political system, and capitalism and the world-economy. How they came into being, how they have been transformed over time, and how and whether they continue to be transformed. The course seeks to understand global connections between democracy and capitalism, and how the workings of the interstate system and the world-economy combine to impact power, culture, and social change at both the global and local level.
2 credits

INT 302 Colloquium in International Studies
A colloquium on international studies involving guest experts who discuss particular world topics or regional specialties. Students also contribute class discussions, oral presentations, and a substantial essay on themes drawn from various topics and regions. Semester supplements to this Bulletin contain specific description when course is offered. May be repeated for credit as the topic changes.
Prerequisite: U3 or U4 standing
1 credit

INT 401 Global Social Problems
The consequences of the “globalization” of social, economic, and political life around the world. Topics include economic inequality and poverty; environmental degradation; AIDS; epidemic; gender inequality and patriarchy; racism; human rights issues; migration and immigration and how they have shaped and been shaped by the social, political and economic dynamics underlying them. Consideration of the possibilities of global-local activism and social change. Conducted as part seminar and part practicum.
Prerequisites: INT 201; U3 or U4 standing
3 credits

INT 487 Independent Study in International Studies
Independent research projects on international studies by upper-division students in the minor under the supervision of an instructor. May be repeated twice.
Prerequisites: INT 201; U3 or U4 standing; permission of director of the minor
0-6 credits

ISE Information Systems

ISE 300 Writing in Information Systems
See Requirements for the Information Systems Major, Upper-Division Writing and Oral Skills Requirement.
Prerequisites: WRT 102; U3 or U4; ISE major
1 credit

ISE 305 Principles of Database Systems
The design of database management systems to obtain consistency, integrity, and availability of data. Conceptual models and schemas of data: relational, hierarchical, and network. Students undertake a semester project that includes the design and implementation of a database system. This course is offered as both CSE 305 and ISE 305.
Prerequisites: CSE 219 and 220
3 credits

ISE 308 Software Engineering
Introduces the basic concepts and modern tools and techniques of software engineering. Emphasizes the development of reliable and maintainable software via system requirements and specifications, software design methodologies including object-oriented design, implementation, integration, and testing; software project management; life-cycle documentation; software maintenance; and consideration of human factor issues. This course is offered as both CSE 308 and ISE 308.
Prerequisite: CSE 219
3 credits

ISE 310 Data Communication and Networks
Study of communication networks. Local area networks (LAN), integrated voice and data systems (IVDS), and wide area networks (WAN). Their topologies: bus, token passing, tree, point to point. Protocols, speed, and distance limitations: RS232, TCP/IP, MAP/TOP, QNX, OSI. Network design and management will be studied in various environments. May not be taken by students with credit for CSE/ISE 346. This course is offered as both CSE 310 and ISE 310.
Prerequisites: CSE 219 and 220
3 credits

ISE 315 Database Transaction Processing Systems
Theory and practice of design for applications involving transactional access to a database. Transaction design, schema design, restart and recovery, journaling, concurrency control, distributed databases. Student groups perform design and implementation of significant database application. This course is offered as both CSE 315 and ISE 315.
Prerequisite: CSE/ISE 305
3 credits

ISE 332 Introduction to Visualization
Visualization of scientific, engineering, medical, and business data sets. Mechanisms to acquire sampled, computed, or synthetic data and methods to transform symbolic into the visual. Topics include classic visualization process; visual perception; volume and surface visualization; methods for visualizing sampled, simulated, and geometric objects; and visualization systems. Emphasis on applications and case studies. This course is offered as both CSE 332 and ISE 332.
Prerequisites: CSE 219; MAT 211 or AMS 210
3 credits

ISE 333 User Interface Development
Survey of user interface systems, including topics such as command language, windowing, multiple input/output devices, architecture of user interface management systems, and tool kits for designing user interfaces. Additional topics may include human factors, standards, or visual languages. Students participi-