NEW TOPIC TITLES

**ARTH 516 Advanced Topics in Art History (3)**
Prerequisites: Restricted to Art majors and minors and M.F.A. Art students; one 300*- or 400*-level Art History course; or consent of the instructor.
Investigation of advanced topics in Art History. Topics to be specified in the Class Schedule. May be repeated when topics vary. [Formerly ART 516]
  1. Landscapes in Art and Life

**ARTH 602 Art History Seminar (3)**
Prerequisites: Restricted to upper-division Art majors and minors and M.F.A. Art students; one upper-division (300- to 500-level) Art History course; or consent of the instructor.
Advanced seminar on specific topics, themes, and research methods in Art History. Topics to be specified in the Class Schedule. May be repeated when topics vary. (ABC/NC grading; CR/NC allowed) [Formerly ART 602]
  1. The Art and History of Monuments: Case Studies

**CINE 373 Film and Society (3)**
Prerequisites: Restricted to upper-division Cinema majors and minors; CINE 200*, CINE 202*, CINE 204*, CINE 211*, CINE 212* or equivalents with grades of C or better; or consent of the instructor.
Major social issues as found in cinematic media: race, class, gender, and sexuality. How feminism, ideology, political movements, social, and historical changes impact representations. Intermediate-level course. Topics to be specified in the Class Schedule. May be repeated for a total of 6 units when topics vary.
  1) Films About American History
  2) Films About The Media
  3) Films Under the Soviet System
  4) Films and Social Change
  5) Environment, Climate Change and Film

**CSC 698 Topics in Computing (3)**
Prerequisite: Upper-division standing or consent of the instructor.
Current topics in computer hardware and software technologies. Topics to be specified in the Class Schedule. May be repeated for a total of 9 units when topics vary.
  1. Software Design, Development, and Pedagogy
CSC 890 Graduate Seminar (3)
*Prerequisites: Consent of the instructor or graduate adviser.*
Topics to be specified in the Class Schedule. May be repeated for a total of 6 units when topics vary. The 1 unit version is offered each semester as a graduate research seminar that students must complete prior to CSC 895 and CSC 898. (Plus-minus letter grade only)
1. Advanced Artificial Intelligence

**ENG 640 Global Texts and Practices (3)**
*Prerequisite: Upper-division standing.*
The global characteristics of language, writing, literature, and/or literacies, across historical periods, genres, and Englishes. Topics to be specified in the Class Schedule. May be repeated when topics vary for a total of 12 units.
1. British and American Travellers to Greece
2. Irish Literature

**ENG 690 Senior Seminar (3)**
*Prerequisites: Restricted to senior English Literature and English Education majors; ENG 480GW with a grade of C or better; or consent of the instructor.*
Rotating course on a specific topic, theme, literary form, historical period, or theoretical tradition in British, American, or Global literatures. Intensive study of a literary topic culminating in a research paper. Topics to be specified in the Class Schedule. May be repeated when topics vary.
1. Literature and Ethics

**MUS 377 Instrumental Ensembles (1)**
*Prerequisites: Audition.*
Preparation and performance of literature for specific woodwind, brass, percussion, or string ensembles. Ensemble to be specified in Class Schedule. May be repeated for a total of 8 units.
1. Instrumental Ensembles: Brass
**MUS 400** University Music Performing Ensembles (3)
*Prerequisites:* Successful completion of GE Areas A1, A2, A3, and B4; audition or consent of the instructor. Auditions are held the first week of each semester.
Music performance in a MUS ensemble (wind, orchestra, university chorus, jazz band, etc.)
practice as it relates to a variety of genres, styles, settings, historical periods and
instrumentations. Online coursework, 2 units; activity, 1 unit. May be repeated for a total of 6
units.
1. University Orchestra
2. University Wind Ensemble
3. University Chamber Singers
4. University Treble Singers
5. University Opera Workshop
6. Chamber Music
7. Jazz Combo
8. University Chorus
9. University Jazz Big Band
10. World Music Ensemble
11. Collegium Musicum - Early Music Vocal Ensemble
12. University Vocal and Instrumental Pep Band

**PHIL 700** Seminar in Selected Problems (3)
*Prerequisite:* Graduate standing or consent of the instructor.
Articulate, explore, and assess proposed resolutions of one or more fundamental philosophical
problems. Problems to be specified in the Class Schedule. May be repeated when problems vary.
1. Myth of the Given

**PHIL 770** Seminar in a Classical Author (3)
*Prerequisite:* Graduate standing or consent of the instructor.
Understanding and assessment of the philosophical positions of one or a pair of highly influential
philosophers. Philosophers to be specified in the Class Schedule. May be repeated when different
philosophers are studied.
1. Du Bois and Democracy

**PHIL 772** Seminar in a Classical School (3)
*Prerequisite:* Graduate standing or consent of the instructor.
Exploration and critique of one or more influential method(s) or school(s) of philosophical
thought. Method(s) or school(s) to be specified in the class schedule. May be repeated when different methods or schools are studied.
1. Daoism

**PHIL 890** Seminar: Current Issues in Philosophy (3)
*Prerequisite:* Graduate standing or consent of the instructor.
Study of one or more philosophical issues that currently stimulate excitement and debate in the
field. Issues to be specified in the Class Schedule. May be repeated when issues vary.
1. Science and Animal Cognition
2. Public Philosophy
**USP 475** Selected Issues in Urban Studies (1-4)  
*Prerequisite: Upper-division standing or consent of the instructor.*
Topics to be specified in the Class Schedule. Topics may include Overview and Analysis of current urban policy and planning issues, Overview and Analysis of analytical techniques appropriate to examine current urban policy and planning issues, and Community engagement activities through applied research and fieldwork. May be repeated when topics vary. (Plus-minus ABC/NC for undergraduates or Plus-minus/NC for graduates; CR/NC now allowed)
1. Affordable housing in California: The role of public/private partnerships
2. Homelessness and public policy in historical context

**NEW COURSES**

**A U 333** Student Development, Leadership, and Counseling Theories for Student Leaders  
(3): Regular; CS-02;  
*Prerequisite: Restricted to upper-division standing or consent of the instructor. Intended for Orientation Leaders.*
Examination of the theories and concepts of leadership, peer counseling, and evidence-based studies on the impact of peer mentoring on student transition, academic success, and identity development in higher education. Develop an understanding of and practice using inclusive leadership and communication to support students, networking, academic skills, and community building to understand University experiences, roles of peer leaders, resources, and services available throughout college, and identify philosophies to leadership style, team development, and civic service. Apply understandings of leadership and student development to first-year experience and student orientation programs. May be repeated for a total of 6 units.

**A U 400** Peer Mentoring (3): Regular; CS-02; Spring 2019  
*Prerequisite: Restricted to upper-division standing.*
Explore the theories and concepts of peer mentoring and evidence based studies on the impact of peer mentoring to student success. Develop an understanding of and practice using inclusive classroom and communication strategies that will facilitate student development, academic skills and community building so they can effectively supporting students transitioning into higher education. Apply understandings of peer mentoring to first-year seminars. May be repeated for a total of 6 units.

**AA S 115** Quantitative Analysis in Asian American Studies (3): B4, AERM, SJ; CS-02 & CS-16; Fall 2019  
*Prerequisites: Category I or II placement for QR/Math or satisfactory completion of ELM requirement, or MATH 70 or ESM 70 with a grade of C or better. Category III or IV placement for QR/Math or students who have not passed MATH 70 or ESM 70 with a C or better must be concurrently enrolled in MATH 122.*
Explore how statistical analysis plays in the formation of policies and programs related to equity and Asian Americans. Introduction to basic statistical concepts including central tendency, measures of variability, normal distribution, sampling, estimation, testing hypothesis, chi-square, analysis of variance, and regression. Focus on online survey collection tools, statistical and graphical software programs, and digital e-portfolios. Lecture, 2 units; laboratory; 1 unit. (Note: For this course to satisfy General Education, students must earn a grade of C- or CR or better.)
**AA S 396** Empire in the Pacific: Asian Americans, Indigeneity, and Resistance (3): UD-D, USH, AERM, GP; CS-02; Spring 2019  
*Prerequisites: Restricted to upper-division standing; successful completion of GE Areas A1, A2, A3, and B4; or consent of the instructor.*  
Examine the local and global histories of empire in Oceania and the longstanding and ongoing decolonization movements. Engage in the local and global histories of colonialism and resistance, diaspora and migration, and empire and sovereignty in the Pacific. Special attention is given to Hawai‘i’s role as a U.S. colony. Class discussions, film screenings, readings, and student presentations constitute the interpretive lens for this course.

**AA S 522** Transracial Adoptee Experience (3): UD-C, AERM, GP, SJ; CS-02; Spring 2019  
*Prerequisites: Successful completion of GE Areas A1, A2, A3, and B4; upper-division standing; or consent of the instructor.*  
Examination of transracial adoption from historical, cultural, and sociopolitical perspectives. Addresses ways in which transracial adoptions challenges notions of culture, race, gender, sexuality, and nation.

**AFRS 216** Pan African Science History and Application (3): Regular; CS-02 & CS-07; Spring 2019  
Examination of African perspectives and approaches to and dissemination of science. While studying investigative research methodologies, students will observe established African scientist, develop general patterns in approaches to science, and analyze characteristic goals of science in the pan African context. Lecture & Activity: Units--Pending.

**AFRS 235** Statistical Analysis in Africana Studies (3): B4, AERM, SJ; CS-02; Spring 2019  
*Prerequisites: Students with Category III or IV placement for QR/Math or students who have not passed MATH 70 or ESM 70 with a C or better must concurrently enroll in MATH 112 or 122.*  
Introductory statistics course taught through the lens of Africana Studies. Statistics are the mathematical procedures that researchers use to produce numerical values for the purpose of summarizing and interpreting information. Introduction to different methods of collecting numerical data and making social and cultural meaning from it. Explore approaches to systematically analyzing statistical data for the purpose of understanding and advancing the Africana social universe. Learn statistics from the Statistical Package for the Social Sciences, a user-friendly statistical analysis software. (Note: In order for this course to satisfy General Education, students must earn a grade of C- or CR or better.)

**AFRS 270** Elementary Zulu Language and Culture (3): C2, AERM, GP, SJ; Spring 2019  
Attainment of Intermediate-Low Level speaking, listening, reading, and writing skills.

**AFRS 675** Variable Topics in Africana Studies (3): Topics; CS-01; Spring 2019  
*Prerequisite: Upper-division standing or consent of the instructor.*  
Examination of variable issues and topics in Africana studies. Topics to be specified in the Class Schedule. May be repeated for a total of 9 units when topics vary.  
1. Critical Studies in Africana Sexualities  
2. Africana Speculative Fiction, Comics, and Music
AIS 250  American Indian Populations and Colonial Diseases (3): B4, AERM; CS-01; Fall 2019
Prerequisites: Category I or II placement for QR/Math or satisfactory completion of ELM requirement, or MATH 70 or ESM 70 with a grade of C or better. Category III or IV placement for QR/Math or students who have not passed MATH 70 or ESM 70 with a C or better must be concurrently enrolled in MATH 122 or equivalent.
A historical overview of the relationships between American Indian populations changes and colonial diseases experienced by major indigenous cultures and peoples residing within the present-day boundaries of the United States from contact through 1930. Develops critical quantitative reasoning skills for understanding processes of American Indian population change (i.e., birth, deaths, immigration, and emigration) and how diseases of contact such as cholera, smallpox, influenza, treponemal infections, etc. impacted population demise and recovery. (Note: For this course to satisfy General Education, students must earn a grade of C- or CR or better.)

BIOL 877/CHEM 877 Introduction to Cellular Engineering (2): Experimental; CS-02; Spring 2019
Prerequisites: BIOL 230, MATH 226, and MATH 227; BIOL 240 recommended.
A quantitative approach to understanding, predicting, and engineering cellular behavior. Learn how to describe complex biological systems with protein, RNA, and DNA components using a mathematical framework. Consider the cell as a compartmentalized reactor with many simultaneously ongoing chemical processes and build models for natural and engineered biological systems. Design new biological circuits and predict their behavior. (Plus-minus letter grade only)
(This course is offered as BIOL 877 and CHEM 877. Students may not repeat the course under an alternate prefix.)

CINE 333 Race and Independent Cinema (3): AERM; CS-01; Spring 2019
Prerequisites: Restricted to upper-division Cinema majors and minors; CINE 200*, CINE 202*, CINE 204*, CINE 211*, and CINE 212* or equivalents with grades of C or better; or consent of the instructor.
Explore independent feature and short narrative films by and/or about people of color in the United States in order to expand existing frameworks that evaluate these works primarily in relation to dominant culture and to dominant industry. Study how a diversity of filmmakers concerned with racial inequality use cinema to narrate and represent the lives and stories of people of color. Explore the racial politics of representation, preservation, distribution, exhibition, and criticism through close readings, comparative approaches, and historically contextualized analysis.

CINE 474 Workshop in Fiction Filmmaking (3): Regular; CS-07; Spring 2019
Prerequisites: Restricted to upper-division Cinema majors and minors; CINE 200*, CINE 202*, CINE 204*, CINE 211*, and CINE 212* or equivalents with grades of C or better; or consent of the instructor.
Collaborative work on short fiction film projects with an emphasis on practicing the various crew roles in pre-production and production. Intermediate-level production course. Activity. (Plus-minus letter grade only)
CINE 549 Critical Practices (3): Regular; CS-05; Spring 2019
Prerequisites: CINE 200*, CINE 202*, CINE 204*, CINE 211*, CINE 212*, CINE 340* and CINE 341* or equivalents with grades of C or better; or consent of the instructor.
Examine the relationship between critical theory and digital media practices; familiarization with the emerging possibilities for "creative" or unconventionally presented critical work made possible by digital media: digital video, online, and other new technologies. May be repeated for a total of 6 units. (Plus-minus letter grade only)

CINE 614 Advanced Lighting Techniques (3): Regular; CS-07; Spring 2019
Prerequisites: Restricted to upper-division Cinema majors and minors; CINE 200*, CINE 202*, CINE 204*, CINE 211*, and CINE 212* or equivalents with grades of C or better; CINE 426* or CINE 428* or an equivalent cinematography course with a grade of C or better; or consent of the instructor.
Advanced cinematography course focused on lighting. Exploration of the creative possibilities of soundstage and location lighting as part of a storytelling process. Lectures and practical demonstration in technical considerations of light fixtures, electrical safety, and crew structure. Collaborative projects include lighting for fiction, visual effects, and emerging technologies. Activity.

CINE 616 Immersive Storytelling Through Virtual Reality (3): Regular; CS-07; Spring 2019
Prerequisites: Restricted to upper-division Cinema majors and minors; CINE 200*, CINE 202*, CINE 204*, CINE 211*, CINE 212*, CINE 426*, and CINE 428* or equivalents with grades of C or better; or consent of the instructor.
Focus on exploring of the art and techniques of immersive storytelling through the creative technology in virtual reality. Explore the imaginative and emotional storytelling techniques through a range of innovative immersive technologies focusing on Augmented Reality (AR) and Virtual Reality (VR). Through a variety of hands-on projects, students will create the immersive and imaginative experience that connects with the 21st-century audiences. Activity. May be repeated for a total of 6 units. (Plus-minus letter grade only)

CINE 667 Animation Professional Practice (3): Regular; CS-05; Spring 2019
Prerequisites: Restricted to Animation minors and upper-division Cinema majors; CINE 200*, CINE 202*, CINE 204*, CINE 211*, and CINE 212* or equivalents with grades of C or better; or consent of the instructor.
Experience in professional animation practices. Planning and presenting animation finals program including social media and publicity. Developing animation portfolios and online professional artist practices. Critiques of student work by animation professionals. May be repeated for a total of 6 units. (Plus-minus letter grade only)
DES 456/DES 756 Design Thinking Principles and Practices (3): Pair; CS-02; Fall 2019
Prerequisite for DES 756: Graduate standing or consent of the instructor.
Prerequisites for DES 456: Restricted to Design majors; upper-division standing; DES 323, DES 356, and DES 370 with grades of C or better; GPA of 3.0 or higher; or consent of the instructor.
Design thinking is a method for problem-solving and innovation that promotes an understanding of and empathy for the needs of the end user of the product or service, and that emphasizes an iterative, process-based approach to problem-solving. Introduce design thinking methods including user-based research techniques and prototyping, offer opportunities to apply these methods to class projects, and examine case studies. (Plus-minus letter grade only)
(DES 456/DES 756 is a paired course offering. Students who complete the course at one level may not repeat the course at the other level.)

FR 360 Press and Social Media in French (3): UD-C, GP; CS-02; Spring 2019
Prerequisites: Successful completion of GE Areas A1, A2, A3, and B4 or consent of the instructor.
Analysis of the major print and online publications and social media outlets in the French language. Social movements in France and the Francophone world from the French Revolution to today. Integration of three major components: a cultural and historical background on the rise and evolution of the press, a critical analysis of major newspaper articles and social media posts, and several writing exercises. Students will learn both to analyze and write newspaper articles and media posts. This course is taught in French.

HIST 551/PLSI 451 Engaging Democracy: Participating in Historical Debates (3): UD-D, USG & CSLG, GP, SJ; CS-02; Fall 2019
Prerequisites: Successful completion of GE Areas A1, A2, A3, and B4 or consent of the instructor.
Exploration of the history of democracy through participation in multiple historically-embedded live-action role-playing games ("Reacting to the Past") set in different societies and eras. Normally, two games played per semester; one based on the construction or implementation of the US Constitution, the other based on the construction or implementation of the constitution of another country. Games will be contextualized through lectures outlining the nature of democracy and its evolution. Written and oral debates and negotiations to solve the issues with which democratic societies wrestle.
(This course is offered as HIST 551/PLSI 451. Students may not repeat the course under an alternate prefix.)

IR 255 Religion and World Politics (3): D1, AERM, GP, SJ; CS-02; Spring 2019
Examination of how religion and politics affect each other across the world. Focus on national identities, social movements, insurgencies and terrorism, migration, and wars. Writings by journalists and public intellectuals will receive attention.
**JOUR 310** Journalism Ethics (3): Regular; CS-01; Fall 2019  
*Prerequisite: Upper-division standing.*  
A critical survey and evaluation of ethical standards and practices in U.S. news media. Focuses on the responsibilities of journalists at every level and in the entire news process from the conception of story ideas to their publication or dissemination. Case studies are provided. Guest lectures from professionals in the field. (Plus-minus letter grade only)

**JS 469/JOUR 469/BECA 469** Media on Media: Media Scandals and Journalism Ethics in Israel, the US, and UK (3): Cross-list; CS-02; Spring 2019  
*Prerequisite: GE Area A2.*  
Legal, ethical, and normative questions in the work of journalists and media organizations are examined in case studies from Israel, the US, and the UK by analyzing the media’s relationships with the political arena, the private sector, and security forces. Topics include libel suits, source protection, and advertising boycotts; appropriate means for monitoring and regulating the media; and the significance of media self-reflection and transparency in the digital age.  
(This course is offered as JS 469, BECA 469, and JOUR 469. Students may not repeat the course under an alternate prefix.)

**MATH 108** Mathematics for Business Calculus II (3): B4; CS-02; Spring 2019  
*Prerequisite: MATH 107 with a grade of C or better.*  
Derivatives and integrals. Applications of differentiation and integration, including optimization. Problems involving business, finance, and economics.  
(Note: Successful completion of MATH 107 and MATH 108 will culminate in satisfying the Quantitative Reasoning requirement (GE Area B4). In order for this course to satisfy General Education, students must earn a grade of C- or CR or higher.)

**MATH 198** Prelude to Calculus II (3): B4; CS-02; Spring 2019  
*Prerequisite: MATH 197 with a grade of C or better.*  
Trigonometry, trigonometric identities, trigonometric and inverse trigonometric functions, sequences and series, and limits.  
(Note: Note: Successful completion of MATH 197 and MATH 198 will culminate in satisfying the Quantitative Reasoning requirement (GE Area B4). In order for this course to satisfy General Education, students must earn a grade of C- or CR or higher.)

**MKTG 569** Digital Marketing Integration (3): Regular; CS-02; Spring 2019  
*Prerequisites: Restricted to upper-division Marketing majors and minors; MKTG 431* and MKTG 469*; or consent of the instructor.*  
Use of digital marketing tools and techniques including advertising, content marketing, websites, search engine marketing, social media marketing, email marketing, and mobile marketing to create an integrated digital marketing platform to improve effectiveness and efficiency. (Plus-minus letter grade only)
**MUS 132** Appreciation of Diverse Music (3): C1, AERM, GP, SJ; CS-01; Spring 2019
Survey of a diverse selection of musical traditions and practices, from ancient to modern times, aimed at expanding the student's knowledge of and appreciation for music beyond what is easily accessible and heavily marketed. Emphasis on appreciating the aesthetic value of representative works within their cultural contexts. Includes folk and popular music of Europe and the Americas, music of the African diaspora, and western "classical" music from Ancient Greek to modern experimentalism.

**MUS 238** Introduction to Song Writing Workshop (3): AERM, GP, SJ; CS-05; Spring 2019
Exploration of the songwriting process through both analytical and creative windows with an emphasis on group sharing and feedback. Examination of music theory, notation, musicianship, music recording software, and performing. Includes the production a portfolio of songs that are recorded, formatted, and notated in an accessible and professional manner.

**MUS 374** University Pep Band (1): Regular; CS-21; Spring 2019
Prerequisite: Upper-division standing or consent of the instructor.
Ensemble for woodwind, brass, voice, and percussion. Rehearsal and concerts including university and athletic events. Repertoire includes a variety of music in popular, jazz, and traditional styles. Activity. May be repeated for a total of 8 units.

**MUS 750** Graduate Seminar in Ethnomusicology (3): Regular; CS-05; Spring 2019
Prerequisite: Priority registration for Music majors; graduate standing; or consent of the instructor.
Historical and critical perspectives in the field of ethnomusicology are reviewed and discussed, informing original research methodology. (Plus-minus letter grade only)

**PHIL 373** The Ethics of Migration and Membership (3): UD-C, AERM, GP, SJ; CS-01; Spring 2019
Prerequisites: Sophomore or higher standing; successful completion of GE Areas A1, A2, A3, and B4; or consent of the instructor.
Examination of the ethical issues surrounding migration, citizenship, national identity, and cultural belonging. Philosophical attention to the following questions: Do states have a moral right to control migration? Or is freedom of movement a basic human right? Assuming states have a right to restrict immigration, do societies have a moral obligation to admit certain groups such as refugees fleeing war and persecution? What about so-called economic or environmental refugees? What can democratic states legitimately require of immigrants who wish to become citizens? What roles do gender and race play in the design and impact of immigration policies?
**PHIL 828** Philosophical Issues in Artificial Intelligence (3): Regular; CS-05; Spring 2019  
*Prerequisites: Graduate standing or consent of the instructor.*  
Focus on the implications of artificial intelligence for policy, industry, and society at large. Analyze current challenges including the use of AI in surveillance, the military, and the police force; the socially problematic implications of using negatively biased AI in the health industry; the relation between AI companies and governments; the epistemic and moral standing of AI as well as the legal consequences of this alleged standing. Study issues that involve some potential harm, but which in the long term may produce good consequences, including optimized social decision-making and labor.

**PHIL 846** Seminar on the Philosophy of Mathematics (3): Regular; CS-05; Spring 2019  
*Prerequisites: Graduate standing or consent of the instructor.*  
A study of the nature, applicability, and significance of mathematics based on the philosophical investigation of its fundamental methods and concepts.

**RRS 252** Beyond Bars and Borders: Race and the Carceral State (3): Regular; CS-02; Spring 2019  
Examination of the intersection of race and the carceral state. A comparative exploration of how diverse communities of color have experienced and struggled against racialized regimes of incarceration and displacement. Highlights how these racialized regimes that center on controlling the movement (or lack thereof) of communities of color are shaped by class, gender, and nation. Studies race and the carceral state in both domestic and global/transnational terms.

**RRS 282** Art and Cultural Practices of Oceania (3): C1, AERM, GP; CS-02; Spring 2019  
Acquire an understanding of the relationships of art, culture, and power to Pacific peoples through the various forms of art found within Oceania. Practice of critical analytical skills in art criticism.

**RRS 365** Race and Comedy in the United States (3): UD-C, AERM; CS-01; Spring 2019  
*Prerequisite: Successful completion of GE Areas A1, A2, A3, and B4 or consent of the instructor.*  
How comedy in popular culture both reflects and shapes ideas related to race in the United States. Ideas from popular culture have long impacted the politics of race, and perhaps no genre has had a greater effect on how people think about race than comedy.

**SPAN 316** Spanish for Health Care Professionals (3): Regular; CS-02; Spring 2019  
*Prerequisites: Four semesters of lower-division Spanish or equivalent; or consent of the instructor.*  
A basic course in Spanish for students planning to work in healthcare or related professions. Topics include the four skills (listening, speaking, reading, and writing) and culture as applied to the specific milieu of the healthcare professions.