

ART

enhancing its flavor and nutritional benefits – true “real food.” In this course we will investigate how humans have harnessed microorganisms to make these foods by making these foods ourselves. Students will dig into the diversity of microorganisms, the nuanced metabolic processes that lend each food its particular flavor and health benefits, and how changes in microbial community structure and function over time results in the development of flavor and texture. Additionally, the rich cultural values

will introduce and evaluate various accounting solutions that have been developed to assist accounting professionals in meeting the unique needs of SMEs. This course may fulfill an elective in the accounting minor. Prerequisite: Business 204. . 8:30 a.m. to noon.

## CAS

CAS W10 Crime & Detective Fiction. This course involves the close study of crime and detective fiction. The course focuses on reading novels (by American, British, and Scandinavian writers) but students also watch and analyze film and television adaptations. Learning objectives include an understanding of the history and development of the genre, the ability to engage in a close reading of literary and cinematic texts, and a basic facility in writing crime/detective stories. . 8:30 a.m. to noon.

CAS W11 The NEW Golden Age of Television. Through readings, lectures, discussions, and screenings, students are led through the development and implications of the "new" Golden age of television, paying particular attention to televisual productions outside of the studio system. Students examine the rise of cable television, serialized, Internet-based televisual production, and subscription-based programming from companies like Netflix, Hulu, and Amazon. Through aesthetic, historical, and cultural analysis, students grapple with the new paradigms of television production and distribution that have brought us the influential series *The Guild*, *The Sopranos*, *Game of Thrones*, *The Making of a Murderer*, and *House of Cards*. Students keep a daily screenings/reading blog and present final projects. . 8:30 a.m. to noon.

CAS W40 The Amish Project: What is the meaning of Forgiveness? On October 2, 2016, a gunman entered a one-room Old order Amish school house and took 10 girls (ages 6- 13) hostage. Five of the girls were killed before the gunman committed suicide. The response of the Amish community was one of forgiveness and reconciliation and was widely discussed in the national media. Playwright Jessica Dickey created play that focuses on the Amish community's response. The New York Times called the play "a remarkable piece of writing." This course involves the process and performance of the play *The Amish Project*, a fictional response to this shooting. Theatre is located in a social context. The world of the play provides a testing ground for understanding why characters do what they do, what pressures are brought to bear, and how these characters choose h13 g0.1t to this shootin(at )0.suocateoncc8 tl(to)3(ri0)1E

and their stylistic qualities. The films examined will include Blood Simple, Barton Fink, Fargo, The Big Lebowski, O Brother Where Art Thou?, No Country for Old Men, A Serious Man, True Grit, Inside Llewyn Davis, and Hail Ceasar!. Students will be expected to view films both inside and outside of class. Course

contact the instructors, and they will be added as there is space  
p.m.

. 2:00 p.m. to 5:00

ENGL W11 An Introduction to Corpus Linguistics for Non-Linguists. In this course, students learn the fundamentals of corpus linguistics, its history and methods, and its most common tools, and work on a variety of corpus projects, including a final project of their own devising.  
noon. . 8:30 a.m. to

ENGL W41 Editors and Editing. This course introduces students to professional editing and to the full publishing process from acquisition to marketing. Students are introduced to different kinds of editors and their roles, various editing genres, and stages in the publication process. Students practice a variety of editing skills (including copy editing and layout) and complete an individual or group project. The class visits local publishing houses to meet and learn from editors about their areas of specialization. This course may fulfill an elective in the English majors or minors.  
. M-Th, 6-9 p.m., Friday 2-5.



balances, infrastructure documentation and linkage, regulations and permitting, and integration of built and natural systems; 2) Understand and apply various land measurement applications (e.g., surveying, global positioning systems, and geographic information systems) that are typically used for SDD; and 3) Learn sustainable SDD practices (e.g., LID and LEED) by integrating these into course design projects. This course will fulfill an elective in the Engineering major. Prerequisites for this course include Engr 306, Engr 320, and Engr 326, or permission of the instructor. . 8:30 a.m. to noon.

ENGR W84 Sustainable Energy Systems. Renewable and sustainable energy systems are providing increasingly large fractions of the energy mix worldwide. In this course, students consider fundamental engineering principles, economic factors, and Energy Return On Investment (EROI) for a wide variety of renewable and sustainable energy technologies. Special focus is given to performance and design of

weapons of mass destruction. No pre-requisite is required and the class is open to all students. This



readings from a wide variety of books and articles, personal assessments, and both small group and class discussions. . 8:30 am to noon.

IDIS W19 Personal Finance. All of us have been forced to make decisions that impact our future economic well-being. What is the best type of loan to finance college? Can I afford to study abroad next semester? How will I pay for a car to get to my job? Are there any issues in signing that lease agreement for my off-campus house? Personal finance is a specialized area of study focusing on individual and household financial decisions: How much should I save? How much should I spend? How much should I give? Do I need life and health insurance when I get out of college--what type would be best for me? How much do I need to save for retirement and when should I start? How do I decide what to invest in? Financial planning is a process of setting financial goals and organizing assets and making decisions to achieve these goals, in an environment of risk. This class will consider financial goals for Christians and will provide information and techniques to help students be good caretakers of what God entrusts to them. Topics covered will include: financial planning tools, goal setting and budgeting, tax planning, cash management, consumption and lifestyle choices, credit strategies, charitable giving, automobile and housing decisions, insurance needs, concepts of investing, estate planning and retirement planning. Class sessions will include lectures, presentations by finance professionals, video, and group discussion. . 8:30 a.m. to noon.

~~CANCELLED IDIS W20 I Long; Therefore, I Am. What does it mean to be human? From the time of Descartes forward, at least in the west, thinking has been thought to be at the center of human nature. One way of understanding this interim course is as a sustained reflection on an alternative to the Cartesian view. On this alternative view, we human beings are first and foremost — not thinking things—, but desiring, wanting, yearning, craving, longing, hungering beings. Put another way, if the Cartesian and Enlightenment view of human existence has it that at the center of being human are head and mind, this course explores the idea that at the center of human existence is heart and gut. This alternative view is not a new revelation or idea, but an ancient one reaching back at least to Saint Augustine, who said at~~

IDIS W22 Spiritual Strength Training. Do you want to build your spiritual strength and be strong in the Lord? Do you want to deepen your relationship with God through the power of the Holy Spirit? This course is designed for students who earnestly desire to have a dynamic, intimate relationship with Jesus, and who long to cooperate with the Holy Spirit in all aspects of life. The third person of the Trinity is often the least known, yet it is He who makes Jesus Christ known to us. Special emphasis is placed on teaching students about the Holy Spirit to understand how one may be transformed and empowered to live as Christ leads, rather than charting one's own course and asking God to bless it. Course topics include: historical overview of the church's understanding of the Holy Spirit; overview of Spirit-led waves of revival beginning in the 18th, through the 21st century; theological and historical reasons why many traditions have resisted emphasis on the Holy Spirit; how to receive guidance from, cooperate with, and be empowered by the Holy Spirit; how to discern and develop one's gifts from the Holy Spirit; and what the Bible teaches about the healing ministry of Jesus as it relates to spiritual, emotional, relational and physical healing. Students are regularly provided with opportunities for the practical application of theological and theoretical topics via the incorporation of in-class exercises; opportunities to pray with classmates; and opportunities to dialogue with, and receive prayer from spiritual mentors. Students are also required to attend a 2 ½ day on-campus Dunamis Project conference (1/18/18 – 1/20/18, sponsored by Presbyterian Reformed Ministries International. . 2:00 p.m. to 5:00 p.m.

IDIS W23 Theology of Narnia. Many Christians first encounter C. S. Lewis as children through reading his Chronicles of Narnia, but there is much in these books that children miss. Reading the books again as adults allows for a deeper exploration of Lewis' use of the Christian tradition, especially the medieval tradition that was his scholarly specialization. Students in this class are expected to read all seven of the Chronicles as well as some secondary readings. The class considers the theological and philosophical assumptions – sometimes explicit, sometimes hidden –

social and ecological problem areas. Social entrepreneurs develop social enterprises, organizations that marshal resources and people to make changes that set the world on a more positive course. These can be either for-profit or not-for-profit organizations, but their primary mission will be to address social or ecological needs in powerful and sustainable ways. In this experientially-based class, students are introduced to the experiences of successful social entrepreneurs, both international and domestic, as they learn how to build a social enterprise. Students work in teams to identify a particular area of need, research their area of interest, imagine solutions, and design start-up social enterprises that move rapidly toward financial sustainability. To supplement the experiential learning, students learn basic business and organizational tools, read stories of successful social entrepreneurs, Skype with international social entrepreneurs, engage with guest speakers, and more. This course may fulfill an elective in the International Development Studies major. . 8:30 a.m. to noon.

**Cancelled** IDIS W45 Sound Design. This course will take you deep inside the acoustical, psycholog

## MATH

MATH W80 Materials for K-8 Mathematics. This course examines and evaluates K-8 mathematics curricula in the context of the NCTM and the Common Core. Familiarity with a variety of K-8 curricula, with state and national mathematics grade level standards, and with state and national testing instruments is important for prospective teachers. Practice in designing mathematics lessons, making mathematics/literature connections, and solving open-ended problems are valuable skills for teachers. Students are expected to contribute to small-group and whole-class discussions of the materials. Evaluation is based on in class participation, presentation of grade-level lessons, written quizzes, and several written projects. Optional K-8 classroom observations can be arranged for the afternoon hours. Students should arrange their schedules so that they can spend time outside of class in the Library and working with other class members. Prerequisites: Math 221 and 222. This course is required for the Mathematics Elementary major, and replaces another course for Mathematics Elementary minors (with permission of their mathematics advisor). . 8:30 a.m. to noon.



**CANCELLED** PSYC W12 The Meaning of Childhood. How do we view children in our society? Are they to be indulgently pampered with Disney Cruises and given trophies "just for showing up", or are they seen as an impediment to adult happiness and self fulfillment? Does our definition of childhood impact how they are treated and how does this view affect how adolescents are treated as they grow up as young adults? Views of children throughout history will first be examined, including examples of societal attempts to exploit children. We will also examine the meaning of childhood at different times in the Christian tradition. We will also consider modern perspectives and views on children, and how this has implications for both adolescents and young adults. We will also consider children as the important consumer group that they have become. Values regarding children implicit in parenting literature (both Christian and non-Christian) will be critically examined, in order to gain a richer understanding of what childhood means to current society.

REL

REL W41 Elie Wiesel, Prophet of the Holocaust: In Search of God and Humanity. Among the atrocities of the 20th century that aggravate the problem of evil for our times, the holocaust stands out. Among those who write and reflect on what an Auschwitz means for belief in God and humanity, and our future together, Elie Wiesel stands out. Elie Wiesel, the 1986 Nobel laureate, is aptly called the prophet of the holocaust, devoting his life to the remembrance of this horrific event in the attempt to discern and

REL W80 The Book of Revelation. No writing in the Bible has been subject to a wider range of interpretations than the Book of Revelation. Many Protestant evangelicals claim to find in Revelation coded predictions about events that will take place in the modern world. But many Christian churches,



## SPAUD

SPAUD 343 Principles of Communication Neuroscience. This course provides a thorough understanding of nervous system anatomy and physiology as it relates to speech, language, and hearing. Principles of systems theory, neuromuscular control,





related work they perform and some of the basic legal principles they use in their work. Students will participate in class lectures, classroom seminars, and other activities led by legal professionals who will describe the work they do, introduce some core legal principles, explain how their work integrates into the legal process, and discuss their calling as legal professionals. The course will include off-campus activities in Grand Rapids and Chicago [REDACTED]. 2:00 p.m. to 5:00 p.m.

IDIS 150 13 DCM: Understanding Islam. This course introduces the Islamic tradition through interdisciplinary insights from religious studies and history, within a framework of interfaith understanding. Topics include the sacred texts, the Prophet Muhammad, the major sects, mysticism, key modern controversies including violence and the status of women, and Christian understandings of other faiths. Readings include the Qur'an, an anthology of Rumi's poetry, appropriate other source readings, and a textbook. In addition to the readings, students participate in discussion, keep a journal, visit a Grand Rapids mosque, take a quiz, and write an integrative paper . 2:00 p.m. to 5:00 p.m.

IDIS 150 14 DCM: Music and Politics. This course explores the complex relationship between music and politics: how governments, institutions and special interests groups have influenced the kinds of music made (or not made) in a given context, the variety of ways music has been used to meet political objectives, and the many different ways music has been understood to carry political meaning. By examining several case studies from the 20th century onward, the course will probe the positive and negative social functions for music in political contexts, considering when and how music can be a tool for expression, teaching, solidarity, identity-formation, and satire, but also oppression, control, dehumanization, and even torture. Case studies will include: worker's music from the North American labor movement (1920s and 30s), music in Nazi Germany and the Holocaust, Soviet music during the Cold War, the civil rights movement in North America, music during Apartheid in South Africa, censorship and regulation of popular music in the US (especially the Parents Music Resource Council), and uses for music by American soldiers in the Global War on Terror. Using Plantinga's Engaging God's World as a backdrop, we will probe theological and philosophical queries about music that arise out of these case studies: how can music be considered good or evil? how is music implicated in negotiations of power? what factors allow it to act as a redemptive or oppressive force in society? No musical training required. . 8:30 a.m. to noon.

~~CANCELLED IDIS 150 15 DCM: Coaching Young Athletes. This course is designed to provide students with knowledge and practical experiences related to coaching young athletes. The focus is on knowledge, skills, strategies, and issues in youth sport. This course aims to develop insight and knowledge for a youth sport leader, primarily in the areas of philosophy, psychology, and pedagogy, and secondarily in physiology and risk management. Cultural norms involved in coaching the young athlete will be critiqued using a Reformed worldview in an attempt to expose the co((5(o)5(a)5(c)-5(h)4(i)-3(n)4(g)-3( )9(Yo)4(u)4~~

