MSL Residential Course Descriptions

Spring 2020-2021

Northwestern
PRITZKER SCHOOL OF LAW
Master of Science in Law

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Spring 1: Seven-Week Session

Assessing AI and Computational Technologies

BUSCOM 912-0	Elective
Dan Linna	1.5 credits
This course introduces students to artificial intelligence and computational technologies and equips them to identify and assess business and societal opportunities and risks. Globally, leading organizations have begun to embrace these technologies and prepare themselves to leverage future technological advances. This course aims to prepare students to contribute to the development and implementation of innovation initiatives, considering various perspectives, including that of executive, entrepreneur, technologist, regulator, and lawyer. Most of the coursework will be completed in teams, including a final presentation. No prior understanding of the underlying technologies is required for this class. Students will learn enough about these technologies to evaluate them, but will not be required to develop technology solutions. Students will also be introduced to various innovation frameworks, including lean startup and business model canvas. This course also provides a basic introduction to the applicable regulatory, legal, and ethical landscape, including privacy, bias, discrimination, inequality, and the opportunities to improve beyond the status quo.	

Business Torts

BUSCOM 992-0	Required – FT & PT
Scott McBride	1.5 credits
This course will provide an overview of tort law as it applies to businesses (as opposed to individual persons). The course will start with an introduction to the principles of a "tort" generally and how torts fit into the legal system overall. From there we will move into an examination of the specific ways in which businesses are liable for tortious actions such as fraud & misrepresentation, false advertising, and liability for physically injuring individuals (i.e., product liability and toxic torts). We will also look at ways in which business can be liable for their competitive conduct towards other businesses, including the "interference" torts of tortious interference with contracts or business relations, theft of trade secrets, and the various regimes imposing liability for unfair competition. *Note: Enrollment in this course will be by permission number only. Part-time students will be in Section 2; full-time students will be assigned a section.*	

Data Privacy: Law, Regulation & Application

REGLAW 922-0	Elective
Liisa Thomas	1.5credits

This class focuses on the current global regulatory environment and how corporate actors can and should address this increasingly complex and rapidly changing area. In this interactive, activity-based class, we will look at some of the most important privacy issues facing companies today, including facilitating individual rights, limiting information collection and use, providing disclosures and choices, and much more. We will look at and compare a variety of regulatory approaches, and we will examine the history of privacy laws and the overarching themes they reflect. Our approach will be to use a series of data protection principles as a framework to analyze different situations. This course is jointly taught by an in-house privacy officer and outside privacy counsel; this combination will give you a unique view into the world of privacy today.

Grading in this practical, hands-on seminar will be based on interactive in-class exercises and a series of short papers. Readings will be provided, including from a treatise being prepared by one of the professors.

Note: This class works well in conjunction with the Spring 2 Data Security Regulation class, but it is not a formal prerequisite for that class.

Entrepreneurship Lab: Part II

BUSCOM 940-0	Elective
Jonathan Gunn	1 credit

The Entrepreneurship Lab introduces students to the entire innovation life cycle from ideation to investor presentation. The course will cover needs identification, value proposition development, legal protection, navigation of regulatory issues, and business plan presentation. Students will select a project for commercialization and work in teams to assess and refine its commercial viability, technical feasibility, and user impact. Teams will work hands-on to transform their ideas into a marketable invention. They will undertake the necessary steps to plan for the commercial development of their inventions, including developing suitable legal protection for their ideas and addressing technology transfer issues. In the Fall 2 class, students will define an unmet market need, understand the key stakeholders, and assess the legal and technical risk factors in commercializing a solution. In the Spring 1 class, which is a continuation of the Fall 2 class, students will apply principles from patent, regulatory, and entrepreneurship law to their project to create the foundation necessary to move their technology into the market.

Prerequisite: Entrepreneurship Lab: Part I

Health & Human Rights (Full Spring Semester)

PPTYTORT 693	Elective
Juliet Sorensen	2.5 credits

The course examines the intersection of health and international human rights. Readings and discussion will focus on whether there is a universal right to health; how to maximize access to health; the health implications of war crimes and atrocities; and the meaning of rights and access in resource-poor settings such as refugee camps and fragile states. Special attention will be paid to the role of corporate social responsibility and advanced economies in access to health.

Students will work in interdisciplinary groups on a clinic health and human rights initiative known as the Access to Health Project. Headed by Professor Sorensen of the Center for International Human Rights and faculty at the Center for Global Health at Feinberg Medical School, the Access to Health Project seeks to leverage academic partnerships to maximize access to health in communities in the developing world. This year, the Access to Health Project will partner with NGO Elman Peace on initiatives at the intersection of climate change, human rights, and development in communities in Somalia and Chad.

The needs assessment will reflect human rights, public health and sustainability considerations. In addition to an iterative collaboration with our community partners, student teams will prepare an oral presentation and final written report detailing their findings and recommendations.

Note: Enrollment in this course is limited and will be by permission number only. Interested students must apply for permission to enroll.

Health Care Law & Regulation: State

REGLAW 972-0	Elective
Sheva Sanders	1 credit

This course is designed to introduce students to the regulatory scheme that governs the US health care system, with an emphasis on matters traditionally regulated by state governments. In addition to other topics, we will explore the manner in which the delivery of health care services and products is regulated to protect significant individual and societal interests such as patient autonomy, the quality of medical care, and market competition. By the end of the course, students will have been introduced to some of the key bodies of state health care regulation, such as: regulating informed consent; requiring professional licensure — including the regulation of telemedicine and the activities of alternative providers; and seeking to assure professional autonomy – such as anti-fee-splitting laws and the prohibition against the corporate practice of medicine. This information will enable students to play an active role in identifying, understanding and navigating the State regulations applicable to projects with which they will become professionally involved. Grades will be based on a combination of class participation, in-class projects and presentations, and a short written project.

Innovation Lab (Full Spring Semester)

BUSCOM 722	Elective
Dan Linna	3 credits

The Innovation Lab is an interdisciplinary course designed to immerse students in the innovation process. This course focuses on the legal, business, technical, teamwork, design, presentation, and other skills involved in that process. Students will work as part of a multidisciplinary team to explore a problem relating to the legal profession, understand the stakeholders' needs, brainstorm, prototype, and test ideas, and iterate through the development of a technology-based solution. This course is open to MSL, JD (2L & 3L), JD-MBA (2J & 3J), and LLM students. It also includes Computer Science department students and faculty (Prof. Kristian Hammond). This course runs through the entire spring semester (Spring 1, Spring 1 Power Week, and Spring 2 terms).

Each student team will work on a specific problem from a law firm, corporate legal department, legal clinic, or legal aid organization. Teams will research the problem, explore the current state, and complete interviews and other work to understand the stakeholders' needs. Teams will quickly transition into brainstorming, prototyping, and testing their ideas, followed by rapid iterations through product development cycles. At the conclusion of the course, teams will present their product in a competition-style format.

<u>Prerequisite</u>: Business Formation & Structure

Note: Enrollment in this course is limited and will be by permission number only. Interested students must apply for permission to enroll.

Introduction to Securities Regulation

BUSCOM 917-0	Elective
Allan Horwich	1.5 credits

This course provides an overview of the regulation of the sale of securities under the Securities Act of 1933 ("Securities Act") and the reporting and disclosure requirements under the Securities Exchange Act of 1934 ("Exchange Act"). These subjects include the operation of the Securities and Exchange Commission ("SEC"), the definition of "security," the registration of securities for public sale, the exemptions that permit sales without registration with the SEC, securities law disclosure requirements, the federal proxy rules, the anti-fraud provisions, including Rule 10b-5, and insider trading.

The course is designed for a student interested in gaining a general familiarity with the basics of the federal securities laws, with a focus on issues faced by less mature companies, as well as considering the core provisions applicable to a company accessing the public market for capital and then becoming subject to the public reporting requirements applicable to publicly traded companies.

The course does not address business structure and the negotiation of securities transactions. The focus, rather, is on the fundamentals of securities regulation.

Introduction to Taxation: Business Income

BUSCOM 981-0	Elective
Charlotte Crane	1.5 credits

The course will provide an overview of taxation of income from business activities. We will begin with the taxation of income from services, and then proceeding to the taxation of income from direct property holdings and simple contractual relations, and then the taxation of returns from participation in various business entities, including corporations, limited liability companies and partnerships. The course will involve a combination of lecture, problem sets, and discussion. Evaluation will be based on course participation, including a presentation based on a business situation of the student's choice, and a 90-minute open-book final exam.

Prerequisites: Contract Law & Design; Business Formation & Structure

Medical Devices: Regulation & Compliance

REGLAW 940-0	Elective
Valerie Followell and Ann Ford	1.5 credits

This course will examine the regulation of medical devices and the interplay of statutory law, industry standards, and regulatory agency guidance. We will explore Food and Drug Administration (FDA) regulations; requirements for the development, manufacturing, and distribution of these products; and compliant interactions between industry and physicians (and other healthcare providers. We will also look at healthcare fraud and abuse, including the anti-kickback statute.

The course will cover the regulatory and compliance considerations for:

- Bringing a medical device to market for the first time
- Keeping that medical device product on the market
- Compliance considerations in the sales and marketing of medical devices
- Expanding sales and marketing of the device into other geographies

While the primary focus will be on the US to establish a foundation, the course also will provide insight to medical device regulation and compliance globally. Additionally, where appropriate, a comparison of medical devices to other regulated products such as drugs and biologics will be highlighted.

Patent Preparation & Prosecution Workshop I

INTPROP 910-0	Elective
Nancy Gamburd and Amy Garber	1.5 credit

The Patent Preparation and Prosecution Course is focused practically on preparing and obtaining issued patents having both broad coverage and sufficient detail for contingencies which may arise at the patent office, in licensing, and in litigation. Students will participate (with the professor) in conducting an invention disclosure session with university scientists and engineers. Using information from the invention disclosure session and other materials provided by the inventors, each student (or small group of students) will then apply the core applicable laws and regulations in preparing an actual patent application. The course will focus on how to "engineer" a patent application within the legal "structural" constraints, including patent claim drafting, patent claim mechanics and legal interpretation, preparation of a patent specification (written description, enablement, best mode), with special emphasis on claim drafting for numerous different types of inventions. If time permits (based upon student feedback), we may also cover amendments and responses to office actions from the USPTO, additional foreign requirements for international protection, and new approaches for preparing software patents in light of US patent office guidelines and recent precedent (with these latter topics being covered in more detail in Spring 2). Drafts of sections (claims, specification) of each student's patent application will be submitted at regular intervals, with opportunities to meet with and receive feedback from the professor and revise the application accordingly. Regular and much shorter assignments will also include claim drafting and brief specification drafting from inventions provided in class, which will be submitted by each student, reviewed in class, and reviewed individually or in groups, including review by other students. Although not required and at the student's option, students can also meet regularly in small groups and/or individually with the professor for individualized feedback on course assignments and drafts of their actual patent applications. Evaluation will be based on each student's or group's patent application prepared during the course, along with individual class participation, class presentations, class attendance, and regular course assignments.

Prerequisites: Patent Law; a background in science, technology, or engineering

Research in Law, Business, & Technology

LAWSTUDY 950-0	Required – PT
George Pike	1 credit

This one-credit course will provide you with the necessary tools to conduct basic legal, business, and technology research and evaluate the quality of materials and documents you encounter in each discipline. Legal research is a unique skill in and of itself and is distinct from other forms of research in that it involves identifying and assessing relevant cases, statutes, and administrative materials so that you can develop, evaluate, and review legal concepts and theories. Business research, meanwhile, focuses on business dealings, practices and negotiations, corporate structure, locating company, industry, and consumer market information, as well as examining financial statements and the financial and funding marketplaces. Finally, technology research will focus primarily on the intellectual property arena, involves identifying owners, licensees, and assignees of intellectual property rights including patents, trademarks, and copyrights, as well as the identification and evaluation of similar intellectual property concepts and processes such as research into "prior art" in patent law. The course will explore both commercial database resources and freely accessible Internet-based resources used in each of these fields of research, and special attention will be given to utilizing data analytics and artificial intelligence.

There is no assigned casebook or textbook for the course. Any assigned readings will be posted to the course Canvas page, or will be handouts in class.

Note: This section is for part-time students.

Strategic Decision Analysis: Gaining Competitive Advantage in an Uncertain World (Friday/Saturday Session)

BUSCOM 952-0	Elective (CR/NCR)
Phil Beccue	0.5 credits

In this 1-day interactive seminar, students will receive a solid introduction to the basic principles of decision analysis and learn how to analyze the choices that shape our lives and organizations. We will discuss various organizational and technical challenges to making high-quality decisions, and present the various tools and methods that can be employed to address these challenges.

This seminar will help students:

- Learn best practices on making smarter personal and professional decisions
- Capture uncertainty and complexity in a structured, logical framework
- Lead senior management and team members toward consensus on strategic planning
- Avoid the pitfalls of relying on intuitive decisions

The benefits of applying these concepts go well beyond making smart decisions, and include improved communication and buy-in, consistency of resource allocation across projects, focus on key drivers of success, and better quality and more efficient collection of relevant information.

The material will be a combination of lecture, class exercises, and case studies which draw on examples from R&D, asset valuation, licensing deal structures, capacity planning, risk management, compliance, lifecycle management, and portfolio prioritization. Grading will be based on class participation and a group case study.

Spring 1: Power Week Session

Cases in New Venture Strategies

BUSCOM 980-0	Elective (CR/NCR)
Karl Muth	1 credit

In this course, we examine young companies ("new ventures") through the lens of venture capitalists and potential investors that are trying to explain, exploit, and defend innovations and inventions that separate them from competitors. Many of the companies we study are raising capital or going through major transitions – they are generally not brand-name companies you will have heard of; hence, carefully studying the assigned companies and arriving prepared is crucial. This is a fast-paced course where students are asked to adapt, contribute, discuss, debate, and do research – the goal is for students to learn more than many people learn in a whole summer at a venture capital firm or in the private equity arm of a bank. A working knowledge of concepts of corporate finance, accounting, and venture capital is helpful, but not mandatory. The instructor will provide materials, though students will be expected, prior to the presentation phase of the course, to embark on independent research on the Internet and using other resources to better-understand the companies studied. Assessment will be based on a presentation with teams of students asked to justify their perspectives and arguments through independent research on comparable companies, historical reference points, and competitors. Teammates will also be asked to grade each other for participation and contribution to the final project's result.

Prerequisite: Entrepreneurship Law, *or* Entrepreneurial Finance & Venture Capital, *or* Instructor permission

Health Informatics: Practical Data Applications

REGLAW 947-0	Elective (CR/NCR)
Satyender Goel	1 credit

This course focuses on how health information technology (HIT) can be implemented and used in creating positive change in the current healthcare landscape. With the field of healthcare informatics rapidly evolving to become the most important field of study in the healthcare industry, this course will work to provide knowledge of foundational biomedical informatics concepts along with real world applications. This course is distributed into three modules: (1) fundamentals of clinical research informatics, including clinical decision support system, (2) healthcare privacy and standards related to medical information, and (3) innovative health data applications, including the latest trends of mobile health technology. Additionally, students will explore how biomedical information systems are created and managed, while also learning about career strategies for how best to achieve their goals within the field. The course will use a mix of lectures, role-based training and use case scenarios.

Introduction to IP Licensing

INTPROP 935-0	Elective (CR/NCR)
Pamela Cox	1 credit
This course will cover the structure and function of license agreements with a focus on what a business professional needs to understand about licensing. Group exercises will be performed on how to use a term sheet in a negotiation of a license. While patent rights will be the dominant IP right used for the examples, we will briefly explore how the license terms change if you are licensing copyrights, trade secrets, trademarks and/or tangible materials. The course will conclude with the students drafting a term sheet for a license based on a set of real-world facts. Prerequisite: IP Fundamentals	

Spring 2: Seven-Week Session

Business Combinations

BUSCOM 945-0	Elective
Steve Reed	1.5 credits
This course will focus on mergers and acquisitions from both a business and legal perspective. Students will learn the practical aspects of these so-called "change of control" transactions, from the initial motivations for business combinations and continuing through due diligence, negotiating the deal, and working towards the successful post-deal integration of management and operations. Along the way, the course will address state law requirements for mergers and acquisitions, approaches for contract negotiation and drafting, fiduciary duties of directors and business managers, antitrust concerns, and federal securities law requirements. Intellectual property is often a driver in business combinations and its place in these transactions will be a focus. The course will also explore strategies businesses use when trying to avoid hostile takeovers, and the inherent conflict between managers and business owners when considering possible business combinations. Throughout the course, students will be exposed to real-world deal documents and will learn about the different skills they will need, and roles they may serve, in acquisition transactions. Prerequisite: Business Formation & Structure	

Data Security Regulation: Data Breaches and Beyond

REGLAW 960-0	Elective
Liisa Thomas	1.5 credits

The news is filled with cyber-attacks and massive global breaches. During this interactive course, we will examine the laws that govern data security requirements and how corporate actors respond when faced with a data security incident. In this interactive course you will get hands-on experience in helping fictitious clients. Rather than a series of lectures, learning will be based around in-class, group, and individual interactive exercises. Grading will be based on in-class participation and a series of short written papers. Class Materials: Thomas on Data Breach (2018 edition, Thomson Reuters).

Note: While the Spring 1 Data Privacy course is not a prerequisite for this course, the two classes are designed to work well together.

Employment Law

BUSCOM 925-0	Elective
Susan Provenzano	1.5 credits

Employment Law is designed to pick up where other courses leave off. Equipped with strategies for managing intellectual property and business planning, you must consider how it will all work within the employment structure of your enterprise. Whether you plan to start your own business or work within an existing company, you will be faced with legal issues relating to human capital. To that end, this course will start with the legal consequences of how workers are classified, an issue central to running a business, managing others, and knowing your own rights. We will then talk about the risks and opportunities around granting and receiving job security through written contracts and other devices. After that, we will cover questions of utmost importance to workers and employers in the current legal-social-political climate: workplace privacy and employment discrimination. Both areas of law are in flux, and are crucial to risk management on the employer side and legal rights on the employee side. Course assessments will consist of weekly quizzes as well as a take-home examination and a capstone assignment during the assessment period. The capstone assignment is a 30-minute team presentation. Teams will select a future working role, confront a set of employment-law problems in that role, and then use knowledge and strategies learned in the course to propose courses of action.

<u>Prerequisite</u>: Contract Law & Design

Energy & Climate Change: Law & Policy

REGLAW 942-0	Elective
James Cahan	1.5 credit
The objective of this course is to provide an overview of the major legal principles, statutes, regulations and policies applicable to the energy area; explore from a legal perspective some of the significant issues in the energy space today, with a focus on climate change; and use the intersection of energy and the law to examine the process by which our society makes major public policy, commercial and individual decisions involving complex issues of science and technology. Student assessments will be based on (i) class participation (50%) and (ii) performance on a final project/paper (50%). Previous title of class was Energy Law & Policy.	

Forensic Science

LAWSTUDY 953-0	Elective (CR/NCR)
Jay Koehler	1 credit
This lecture, discussion, and hands-on course introduces MSL students to forensic science techniques and controversies. Issues related to the introduction of such evidence as DNA, fingerprints, ballistics, and shoeprints will be discussed. We will ask and answer a variety of questions including: What can and can't a forensic science examination reveal? What are the requirements that a court imposes before it will allow forensic science evidence to be presented to a jury? How do juries think about forensic science evidence? How should they think about it? On the second day, we will consider how a fingerprint analysis is conducted in casework, and students will get a chance to do their own analyses (bring a laptop).	

Gaming Law & Regulation

REGLAW 982-0	Elective
Donna More	1.0 credit

This course is designed to acquaint students with the legal and regulatory challenges of operating a successful gaming business. We will explore the history of the gaming industry to set the stage for understanding the complex set of business issues that are unique to this industry. It is a cash-in, cash-out industry with a huge consumer customer base through casinos, video game locations, online games, and now legalized sports betting. The major players are large, well-capitalized, publicly traded corporations, yet there are still "moms and pops" that own and operate gambling terminals in local taverns and truck stops. Part of the complexity arises from the intersection of the businesses with the governments that regulate in this area.

Students will come to appreciate that these unique business issues arise from regulatory frameworks that vary state-by-state; conflicts in federal, state and local law; state revenue expectations and taxation issues; and licensing and rulemaking processes that can seem intrusive and unnecessary. The course will also delve into the future of gaming in the digital age.

Health Care Law & Regulation: Federal

REGLAW 974-0	Elective
Sheva Sanders	1.0 credit

Through Medicare, Medicaid and various other health care programs, the Federal government is responsible for a significant percentage of national health care expenditures. Several bodies of law have developed to protect against the possibility that these expenditures are being exploited through the provision of sub-standard, unnecessary, or overly expensive goods and services. We will focus primarily on the criminal and civil laws that are incidental to Federal government's role in health care finance. By the end of the course, students will have been introduced to some of the key bodies of Federal health care regulation, including the Federal Anti-Kickback Statute, Stark law, Sunshine/Open Payments Act and the False Claims Act. This will enable students to play an active role in identifying, understanding and navigating the Federal regulations applicable to projects with which they will become professionally involved. Grades will be based on a combination of class participation, in-class projects and presentations, and a short written project.

IP Investments & Capital Markets: A Global Perspective

INTPROP 955-0	Elective
Michael Friedman	1 credit

Developed world corporations today are focused on an innovation heavy, tangible asset-lite model while exporting manufacturing, a lower margin enterprise. The trend is demonstrated by increased levels of R&D in innovation-driven industries, a doubling of issued patents outstanding and material, concentrated changes in the underlying IP law. While IP valuation, implementation and technological trends are coming to dominate many forms of investing, optimal risk adjusted returns morph with levels in the equity and credits markets and changes in IP law.

This course will review these trends, explain the range of IP investment types (liquid/Illiquid, public/private, cash/derivative) and illustrate how insight into IP can drive investment and capital market decision making.

Prerequisites: Introduction to Accounting & Financial Statements; IP Fundamentals

IP Valuation

INTPROP 945-0	Elective
Joshua Gammon	1.5 credits

Intangibles now comprise roughly 80% of corporate balance sheets among publicly traded companies. Key among these assets are intellectual property (IP) assets: patents, trademarks, copyrights, marketing intangibles, know-how, and others. Conventional valuation methodologies frequently fail to accurately measure the value of IP. Moreover, the current valuation paradigm fails to recognize the impossibility of valuation certainty for many IP assets, and the context-specificity of their value. This ignorance and uncertainty presents opportunity for those who understand IP value.

In IP Valuation, you will learn and apply the various available theories, methods, and tools for measuring and contextualizing IP value. This will include in-class instruction and discussion, supplemented by out-of-class work, on case studies derived from the real-world experience of best-in-class IP professionals. You will also gain a view of the nascent understanding of IP value among financial professionals and the handful of entities presently working to create liquidity and make capital available for IP-rich entities. Finally, you will learn how to assess IP value, identify information incompleteness and uncertainty, and use that knowledge to inform decision-making in a variety of business and legal contexts.

Prerequisites: Introduction to Accounting & Financial Statements; IP Fundamentals

Patent Preparation & Prosecution Workshop II: Advanced Topics

INTPROP 912-0	Elective
Nancy Gamburd and Amy Garber	1 credit

The Patent Preparation II: Advanced Topics course will build on and practice the skills learned in the Patent Preparation and Prosecution Workshop of Spring 1, and is also focused practically on preparing and obtaining issued patents having both broad coverage and sufficient detail for contingencies which may arise at the patent office, in licensing, and in litigation. Students will participate (with the professor) in conducting an invention disclosure session with university scientists and engineers. Using information from the invention disclosure session and other materials provided by the inventors, each student (or small group of students) will then apply the core applicable laws and regulations in preparing an actual patent application. The course will also focus on how to "engineer" a patent application within the legal "structural" constraints, including patent claim drafting, patent claim mechanics and legal interpretation, preparation of a patent specification (written description, enablement, best mode), also with special emphasis on claim drafting for numerous different types of inventions. Additional topics which will be covered include analysis of office actions from the USPTO with rejections and objections; actual amendments and responses to office actions from the USPTO; additional foreign requirements for international protection; and new approaches for preparing software patents in light of US patent office guidelines and recent precedent. If time permits (based upon student feedback), we may also cover processor-based (*e.g.*, computer-based, medical devices, mobile devices, etc.), software and biotechnology inventions (Section 101, *Alice, Mayo* and their progeny); doctrine of equivalents and prosecution history estoppel; claim construction, claim charts and infringement analysis. Optionally, we will also review topics suggested by students for greater analysis and discussion from the Spring 1 Patent Preparation and Prosecution Workshop. Drafts of sections (claims, specification) of each student's or group's patent application will be submitted at regular intervals, with opportunities to meet with and receive feedback from the professor and revise the application accordingly. Regular and much shorter assignments will also include office action responses; and claim drafting and claim amendments from inventions provided in class, which will be submitted by each student, reviewed in class, and reviewed individually. Although not required and at the student's option, students can also meet regularly in small groups and individually with the professor for individualized feedback on course assignments and drafts of their actual patent applications. Evaluation will be based on each student's patent application prepared during the course, along with individual class participation, class presentations, class attendance, and regular course assignments.

<u>Prerequisite</u>: a background in science, technology, or engineering; Patent Law; and Patent Preparation and Prosecution Workshop I

Persuasive Communication

LAWSTUDY 956-0	Required – PT
Michelle Falkoff	1.5 credit
This course provides MSL students with an introduction to written persuasive communication. Students will discuss what makes arguments convincing and will improve their persuasive communication skills via writing persuasive papers and engaging in active discussions online on controversial topics. Grades will be based on professionalism, participation, and writing.	

Project Management for Regulated Industries

BUSCOM 903-0	Elective
Elaine Alexander	1 credit
Project Management has a natural home in the regulated business landscape as a key element of delivering value and meeting organizational strategic objectives. This course is designed to provide an overview of project management principles and activities that can be put to use by managers within regulated industries that impact science, technology, and contemporary business. The focus of this course will be developing a working knowledge of the basic principles of successful project selection, project risk management, and project delivery based on the Project Management Institute Global Standards. Guided readings will be selected to present students with basic project skills, with application through interesting and relevant case studies drawn from industries regulated by the FDA, FAA, FCC, DoD, SEC and other federal and state regulators. Through classroom instruction and participation in discussion of real-world examples from contemporaneous events, students will learn the basics of project management, with the goal of bringing clarity and focus to their project management activities.	

Public Persuasion

BUSCOM 982-0	Required – FT
Jason DeSanto	1.5 credits

How is it that innovative ideas become institutionalized as policies? How do organizations clearly communicate their visions, both within their halls and around the world? And how do leaders galvanize and spur others to action, particularly during the most chaotic and anxious times? The answer, in each case, is public persuasion.

This course is an intensive workshop in how to develop policy ideas, powerfully articulate them, and secure commitment and action on their behalf. It develops the sensibilities and skills crucial to maximizing personal influence, both in writing and speaking, particularly in situations where technical knowledge meets multiple stakeholders (including lawyers) and business imperative. We focus on: (1) locating key personal convictions, which are crucial to persuading others; (2) employing strategies and techniques for approaching multiple audiences; (3) developing crystal-clear organization of pointed messages; (4) powerful use of language, data, and stories; (5) transformation of technical concepts into impactful ideas; (6) the ability to persuasively employ shared organizational values and experiences; and (7) tangible advice for effective public speaking. This course satisfies the MSL writing requirement.

Note: Public Persuasion satisfies the MSL writing requirement.

Regulatory Compliance: Product Approval & Life Cycle Issues

REGLAW 980-0	Elective
Sharon Ayd	1.5 credits

In the US, Food and Drug Administration (FDA) approval is required before a pharmaceutical company can manufacture and commercially sell prescription drugs. The time period before FDA approval is called "Product Development". Product Development is inherently complex and wrought with regulations. Once approved, a drug can be marketed for decades until it either becomes obsolete or marketing authorization is rescinded. This time period is referred to as the Lifecycle. Over time, many changes to the approved drug will occur for varying reasons. Some will be intentional and some not. This is what is called Life Cycle Maintenance" (LCM). This course will help individuals gain basic knowledge of what drug development entails and the different regulatory pathways pharmaceutical manufacturers follow to obtain FDA approval. In addition, insight will be gained about the LCM dynamics and the tradeoffs that pharma manufacturers make along the way.

This course is based on a series of lectures that cover;

- The FDA and recognized pathways to regulatory approval of a prescription drug,
- Health technology assessment of new drugs,
- Regulations governing pharmaceutical laboratories, clinical trials and drug manufacturing,
- Overview of the prescription drug development process,
- Drug application submission, FDA review process and post approval compliance requirements,
- Impact of post approval changes ("Lifecycle Management") in terms of maintaining cGMP compliance, while ensuring sustainable drug supply to meet demand and while maintaining product competitiveness in the market.

Prerequisite: Regulatory Strategy & Communication *or* Regulatory Policy

Technology Standards: Strategic & Antitrust Considerations

REGLAW 915-0	Elective
Anne Layne-Farrar and Justus Baron	1.5 credits

Technology standards permeate the modern economy, from WiFi and mobile phones to complex medical equipment to smart thermostats and electric cars. These standards would not exist but for the voluntary, cooperative efforts of numerous companies – often from what would at first appear to be far-flung industries. This survey course will explain the pivotal business strategies related to technology standards, including whether a firm may want to join a cooperative effort or whether instead it may prefer to try for a proprietary solution on its own. We will review the fundamentals of participating in cooperative standard setting organizations, the strategies that firms employ in such participation, and how participation can affect a firm's intellectual property acquisition and licensing decisions – most importantly related to patenting. Finally, we will discuss the basic elements of how firms compete in the multifaceted world of technology standards and will review the primary antitrust risks that come hand-in-hand with aggressive competition.

The initial classes will be traditional lecture/discussion and will focus on foundational issues. We anticipate bringing in an industry practitioner for an in-depth interview on how their firm makes strategic decisions regarding standard participation. Another class will involve a standard setting exercise; for this, students will assess the opportunities relating to an emerging standard for their assigned "company," deciding on their optimal strategy and attempting to win other "companies" over to their side.

Grade assessments will be based on in-class preparedness and participation (10%), a writing assignment and a presentation, matching skills required in real world jobs. The in-class presentation will comprise 45% of the grade and includes both a group and an individual contribution score. The out-of-class writing assignment is a memo providing an antitrust risk assessment for the student's "company" and is broken down into a first draft and a final draft.

Spring 2: Power Week Session

Applied AI in HealthTech

BUSCOM	Elective (CR/NCR)
Amy Shuen	1 credit

AI (Artificial Intelligence) has emerged as the biggest game-changer in the Healthcare Industry. In the first 3 sessions of this course, we will analyze and develop systematic frameworks to assess the business value as well as the legal, ethical and regulatory risks of the key AI-data enabled healthcare strategies--to save time, lives and money. We will cover disruptive company case examples and explain the so-called "Deep Medicine" scenarios revolutionizing the highly active venture-capital funded sectors of

- Virtual Assistants, Therapy Bots and Carebots for Elder Care
- Medical Imaging and Diagnostics
- Patient Data and Risk Analytics

The last day of the session will be a hands-on Applied AI NLP (Natural Language Processing) Chatbot Bootcamp. We will use Google Design Sprint techniques to design and prototype a mobile healthcare chatbot (Snatchbot) and then explain its value proposition and usage in a 2-3 minute video pitch (Powtoons). No coding or technical background required since we'll be using a free drag and drop mobile chatbot builder and video editor. Team pitches and demos will be presented in class for voting and winning fun prizes.

International & Comparative IP

INTPROP 950-0	Elective (CR/NCR)
Stefania Fusco	1 credit

This course will focus on the global IP system. It will examine the most important international agreements for copyright, patent and trademark. It will also cover aspects of national IP laws and address questions of territoriality, exhaustion and national treatment. Students will have an opportunity to explore various issues such as: filing and prosecuting patents around the word, acquiring copyrights in foreign countries, and the difference between trademarks and geographical indications which have become fundamental in our global economy. There are two components to the final grade. The first and primary component is a final exam (90%). The second component is class participation (10%).

Prerequisite: IP Fundamentals;
Recommended: Patent Law or other advanced IP coursework

Patenting Software Inventions

INTPROP 922-0	Elective (CR/NCR)
Ryan Phelan and Nicholas Terrell	0.5 credits

This course covers current topics relating to patenting software inventions, with a particular emphasis on patent eligibility. While software-related inventions continue to increase in significance, they also face particular challenges relating to eligibility, scope, and enforcement. The legal landscape has also shifted drastically since the Supreme Court's Alice Corp. v. CLS Bank Int'l decision in 2014, leading to uncertainty regarding the extent and strength of patent protection for software inventions. Students will learn to identify and evaluate software-specific issues relating to subject matter eligibility, prior art, and enforceability.

Prerequisite: IP Fundamentals
Recommended: Patent Law