

**SIE 414/514 – Law for Scientists & Engineers
Class Schedule and Assignments**

Spring 2016

All readings and questions refer to the Gayton textbook.

- January 11** Introduction/Review of Syllabus
Introduction of the Individual Research Project Written Report & Deadline
Introduction of the Group Government Proposal Written Report & Verbal Presentation & Deadline
US Legal System: Case Study: Cyber Security Law & Regulations: 2016 Trends
- January 13** US Legal System Case Study Continued. Read pp 21-25 and Chap. 4 and prepare answers to associated questions
- January 18** **NO CLASS. ML King Holiday**
- January 20** US Legal System Case Study Continued: Court & Administrative Process & Procedure
- January 25** Government Contracting: US Federal Acquisition Regulations (FAR) system
Work on your Individual Research Project!
- January 27** Government Contracting: US Federal Acquisition Regulations BAA/RFP & Proposal Process
Read Chapter 5, as well as pages 283-299, and prepare answers to associated questions.
Review <https://www.acquisition.gov/FAR/>
Work on your Individual Research Project!
- February 1** **Guest Lecture:** Engineering Gate Review Package for a major Proposal
Work on your Individual Research Project!
- February 3:** **No Lecture:** Group Government Proposal Formation and initial US Agency RFP/BAA selection (TA facilitated if necessary)
- February 8:** **Guest Lecture:** Ethics and Organizational Conflict of Interest
Read pp 13-18 and Chapter 15, and prepare answers to associated questions
Work on your Individual Research and Group Government Proposal Projects!
- February 10:** **Guest Lecture:** Overview of Intellectual Property Law Principles
Read pages 385-401
Work on your Individual Research and Group Government Proposal Projects!
- February 15:** **Guest Lecture:** Basic Principles of Contract Common Law
Read Chapters 7 and 13, and prepare answers to associated questions
Work on your Individual Research and Group Government Proposal Projects!
- February 17:** **No Lecture: Take Quiz #1--Anytime today with time limit of 30 mins**
Work on your Individual Research and Group Government Proposal Projects!

February 22: Detailed Analysis of a NASA FAR Contract
Work on your Individual Research and Group Government Proposal Projects!

February 24: Environmental, Health & Safety Laws
Work on your Individual Research and Group Government Proposal Projects!

February 29: Product Liability
Read Chapter 22, and prepare answers to associated questions
Work on your Individual Research and Group Government Proposal Projects!

March 2: Torts & Negligence
Read Chapter 21 and prepare answers to the associated questions
Work on your Individual Research and Group Government Proposal Projects!

March 7: Administrative Law & Procedure
Work on your Individual Research and Group Government Proposal Projects!

March 9: Midterm Exam--Take anytime today with time limit of 75 Minutes

No Class--Spring Break: March 14-18

March 21: Intellectual Property: Patents & Patentability
Work on your Individual Research and Group Government Proposal Projects!

March 23: Intellectual Property: Trade Secrets & Trade Marks
Read pages 397-412, and prepare answers to the associated questions
Work on your Individual Research and Group Government Proposal Projects!

March 28: Intellectual Property: Data Rights
Work on your Individual Research and Group Government Proposal Projects!

March 30: Intellectual Property: Copyrights
Read pages 402-409 and prepare answers to associated questions
Work on your Individual Research and Group Government Proposal Projects!

April 4: Employment & Discrimination Law
Work on your Individual Research and Group Government Proposal Projects!

April 6: No Class--Take Quiz #2--Anytime today with time limit of 30 mins

April 11: Class Presentations & Critique of Individual Research & Group Government Proposal Projects

April 13: Class Presentations & Critique of Individual Research & Group Government Proposal Projects

April 18: Class Presentations & Critique of Individual Research & Group Government Proposal Projects

April 20: Class Presentations & Critique of Individual Research & Group Government Proposal Projects

April 25: Class Presentations & Critique of Individual Research & Group Government Proposal Projects

April 27: Class Presentations & Critique of Individual Research & Group Government Proposal Projects

May 2: No Class--Take Quiz #3--Anytime today with time limit of 30 mins

May 4--Last Class--Review session & questions

May 9--Final Exam--Two Hour Time Limit from 3:30 to 5:30.

**Alex Dely
12222015**

GUIDANCE FOR GROUP GOVERNMENT PROPOSAL PROJECTS:

Each Group should ideally have 7 Members working the following Roles:

- Proposal Manager/Gate Package
- Tech Volume Coordinator
- Systems Engineering Lead/Statement of Work
- Cost Volume Coordinator/Finance/Basis of Estimate
- Contracts Lead/Intellectual Property Assertions
- Supply Chain Lead
- Program/Project Management Lead

Each Group will select a Broad Agency Announcement/Request for Proposal from a US Government Agency and will seek to generate a Proposal compliant with all explicitly stated and legally implied requirements.

Each Group will generate a Gate review package that will be used for Class Presentation & Critique.

GUIDANCE FOR INDIVIDUAL RESEARCH PROJECTS:

Each Student shall select a topic area of personal interest and develop a Research Project with the following deliverable documentation:

- Quad Chart
- White Paper (not to exceed 7 pages)

The project shall address a significant technical problem to be resolved, multiple technical approaches towards the solution, the resources expected to be needed, and all the legal/regulatory issues and associated government agencies that will required to be considered and dealt with during the implementation of the proposed solution.

The Class Instructor has worked a number of projects with a broad cross section of faculty/staff in the Colleges of Engineering, Science, Optical Science, LPL, Agriculture & Life Sciences/BIO5, Public Health & Medicine regarding the application of (Remote) Sensing and Big Data Analytics to areas such as Precision Agriculture/Water/Energy/Minerals & Mining, and Health that may be of interest to select students.

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