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  

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!

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

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.

AD 12222015