

# IAS492A/B Course Walk-Through IAS Seminar

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# IAS Seminar: Motivation

- **Transition between college and career**
- ABET Criterion 3. Student Outcomes (for 2021/2022)
  - 3. Communicate effectively in a **variety of professional contexts**.
  - 4. **Recognize professional responsibilities** and make informed judgments in computing practice based on legal and ethical principles.
- ABET Criterion 5. Curriculum (for 2021/2022)
  - “The curriculum must combine technical, professional, and general education components to prepare students for a **career, further study, and lifelong professional development** in the computing discipline associated with the program.”

# IAS Seminar: Overview

- Developed by IAS faculty at Penn College
  - Sandra Gorka, Jacob Miller, Dan Yoas
- Two semester sequence required of all students enrolled in Information Assurance and Cyber Security
- Upper division – taken during the fall and spring of final year
- Pass/fail course

# IAS Seminar: Description

Forum for discussing and exploring issues related to information assurance and security. The context is interdisciplinary and will focus in part on issues external to IAS that affect how an organization can effectively implement and manage IAS.

# IAS Seminar: Course Outcomes

1. Identify the need for and practice professional development.
2. Practice social and professional networking.
3. Participate in discussions related to current IAS issues.
4. Review literature related to current events associated with the IAS discipline.
5. Support expressed opinions with objective evidence; respect diverse viewpoints.
6. Research post graduate opportunities in IAS, both professional and academic.
7. Recognize the potential impact of emerging IAS issues on an organization.

# IAS492A (fall): Activities

- Build and refine your resume
  - Reviewed by classmate and instructor; then updated
  - Reviewed by class as a whole; then updated
- Complete a job search
  - Contribute to google doc containing the knowledge, skills and abilities required by the jobs
- Perform a gap analysis between your skills (resume) and job ads (google doc)
- Build a professional development plan to remediate any gaps
  - Submit a “request for professional development”
  - Submit a proposal for senior research project in the following semester

# IAS492A/B (fall/spring): Current Events

- More prevalent in spring
- Each student has multiple opportunities to introduce a current event
- Introduction includes a summary of the event, associated risks and impact to an organization as well as possible mitigation strategies and best practices for managing the event
- Class discussion and questions follow
- May be focused on an emerging technology

# IAS492B (spring): Assignments

- Building professional contacts
  - Meeting new professionals in IAS via conferences, job fairs, etc.
- Participating in professional development activities
  - LinkedIn classes, conference presentations, webinars, etc.
  - May be IAS, IT or professional events
- Helping others better understand cybersecurity risks and mitigations
  - Educate someone about being more secure
  - Tutor an underclassman
  - Give a conference or club presentation
  - Write a blog to educate others about being more secure
  - Develop a security awareness training or event

# Employer Feedback/Comments

- Appreciate that students are conversant on both academic and industry topics
- Appreciate students' predisposition to actively remain current in the field
- Appreciate the lack of “deer in the headlights” look when candidates are questioned about acquiring new skills during an interview
  - And that they can create a professional development plan

# IAS Seminar: Conclusion

- Designed as a transition from college to career
- Designed to enhance various professional skills
  - Discuss current events and emerging technologies
  - Actively listen to others and responding appropriately
  - Begin participating in lifelong professional development

# Questions?

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