

Point Loma Nazarene University
ISS4072 Internship in Information Systems (2 units) and
EGR4092 Internship in Engineering (2 units)
Spring 2020

Mathematical, Information and Computer Sciences/Physics and Engineering

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Office Location: Rohr Science 246

Office Hours:

Monday	8:30-9:30 a.m.
Tuesday	9:00-10:00 a.m.
Wednesday	8:30-9:30 a.m.
Thursday	3:00-4:00 p.m.
Friday	3:30-4:30 p.m.

Catalog Descriptions:

ISS 4072 - Internship in Information Systems (2)

A supervised experience in which the student works with industry professionals to gain experience with managing information systems. May be repeated to a total of four units. This course is graded Credit/No Credit only.

Prerequisite(s): Student must have taken at least two upper-division courses for their major and consent of instructor.

EGR 4092 – Internship in Engineering (2)

A supervised experience in which the student works with industry professionals to gain experience in engineering. May be repeated to a total of four units. This course is graded Credit/No Credit only.

Prerequisite(s): Student must have taken at least two upper-division engineering or physics classes and consent of instructor.

Learning Outcomes:

This experience is designed to help you develop your abilities in the follow department learning outcome areas.

- Students will be able to apply their technical knowledge to solve problems.
- Students will be able to speak about their work with precision, clarity and organization.
- Students will be able to write about their work with precision, clarity and organization.
- Students will collaborate effectively in teams.
- Students will be able to gather relevant information, examine information and form a conclusion based on that information.
- Students will be able to understand and create arguments supported by quantitative evidence, and they can clearly communicate those arguments in a variety of formats.

Text Book:

This course does not have a textbook, however, you will be expected to read a limited number of articles, websites and/or book chapters related to what you are learning during the internship (see final paper information).

Other Course Objectives:

An Internship is an opportunity for the student to:

- Apply skills and knowledge learned in major courses to real business situations.
- Reinforce and expand previous conceptual learning through work experience.
- Develop “networks” in the business and professional community.

Assignments (see calendar at the end for deadlines):

- Academic Internship Contract
- Weekly timesheets (must total at least 80 hours)
- Completed internship evaluation essay

Grading:

This is a pass/no pass class. In order to pass the class you must work the hours to which you have committed, work in a manner which is satisfactory to your supervisor, and turn in all of the required reports complete, on time and of a professional quality. In order to pass the class, you must receive a passing grade on all of the components.

Academic Internship Contract: You must complete an “Academic Internship Contract”. The form is attached. The person who is to supervise you at your internship work place must sign as your on-site supervisor and I must sign as your department sponsor. Please be as precise as possible in specifying your duties as an intern and the skills you hope to develop. Your internship should not be considered valid for academic credit until I have approved and signed your completed contract.

Weekly Timesheets: Each week you need to turn in your timesheet indicating the hours that you have worked and what you did during those hours. The timesheet must be signed by your supervisor. Each weekly report covers Monday through Saturday of that week and is due by Wednesday of the following week. A sample of a completed weekly report is attached. You can bring the sheets to me on paper or send me a scanned copy (the form is attached).

Internship Evaluation Essay: This brief paper asks you to reflect on the quality of your internship, what new things you learned and how the work connects with the coursework that you have taken. This should include references to articles and books that you have read to gain technical knowledge for your internship.

Exams

Note that because this class is a practicum, it does not have either mid-term or final exams.

Is an internship a paid position or a volunteer experience?

An internship, for academic credit, can be an unpaid or paid position. It is not the purpose of the MICS internships to grant academic credit for activities in which most students normally engage (such as holding a job or involving oneself in extracurricular activities). The purpose of this course is, rather, to provide training and experience that you could not have realized through any other means.

Credit Hours/Required Hours and Academic Units

In the interest of providing sufficient time to accomplish the stated course learning outcomes, this class meets the PLNU credit hour policy for a 2 unit class delivered over 15 weeks. Specific details about how the class meets the credit hour requirements can be provided upon request. Your enrollment for 2 academic units corresponds with 80+ hours you will devote to the internship. You may apply only hours you work during the semester for which you are receiving academic credit.

Instructor’s Rights:

As your faculty sponsor, I may contact your on-site supervisor. I also may reject any contract or report that does not meet the MICS internship standards.

Suggestions for Interns:

Do your work as if your career depended upon it. You may receive a desirable job offer from someone who is impressed by your efforts as an intern. Besides, you may wish to ask your on-site supervisor to serve as a reference later on; give him or her a lot of reasons to say good things about you! Represent PLNU well. Be hard working, honest, and positive!

Look for ways to make yourself valuable. Make meaningful suggestions and be willing to be a part of the implementation of those suggestions.

Be ahead of schedule in turning in contracts and reports. I may ask you to make changes or revisions. The revision must be complete by the due date for that contract or report.

University Mission:

Point Loma Nazarene University exists to provide higher education in a vital Christian community where minds are engaged and challenged, character is modeled and formed, and service is an expression of faith. Being of Wesleyan heritage, we strive to be a learning community where grace is foundational, truth is pursued, and holiness is a way of life.

Department Mission:

MICS: The Mathematical, Information, and Computer Sciences department at Point Loma Nazarene University is committed to maintaining a curriculum that provides its students with the tools to be productive, the passion to continue learning, and Christian perspectives to provide a basis for making sound value judgments.

PHE:

The Physics and Engineering Department at PLNU provides strong programs of study in the fields of Physics and Engineering. Our students are well prepared for graduate studies and careers in scientific and engineering fields. We emphasize a collaborative learning environment which allows students to thrive academically, build personal confidence, and develop interpersonal skills. We provide a Christian environment for students to learn values and judgment, and pursue integration of modern scientific knowledge and Christian faith.

Credit Hours/Required Hours and Academic Units

In the interest of providing sufficient time to accomplish the stated course learning outcomes, this class meets the PLNU credit hour policy for a 2-unit class delivered over 15 weeks. Specific details about how the class meets the credit hour requirements can be provided upon request.

Attendance:

Attendance is expected at each class session. In the event of an absence you are responsible for the material covered in class and the assignments given that day.

Regular and punctual attendance at all classes is considered essential to optimum academic achievement. If the student is absent from more than 10 percent of class meetings, the faculty member can file a written report which may result in de-enrollment. If the absences exceed 20 percent, the student may be de-enrolled without notice until the university drop date or, after that date, receive the appropriate grade for their work and participation. See the 2019-2020 PLNU Undergraduate Academic Catalog for details.

Class Enrollment:

It is the student's responsibility to maintain his/her class schedule. Should the need arise to drop this course (personal emergencies, poor performance, etc.), the student has the responsibility to follow through (provided the drop date meets the stated calendar deadline established by the university), not the instructor. Simply ceasing to attend this course or failing to follow through to arrange for a change of registration (drop/add) may easily result in a grade of F on the official transcript.

Academic Accommodations:

While all students are expected to meet the minimum standards for completion of this course as established by the instructor, students with disabilities may require academic adjustments, modifications or auxiliary aids/services. At Point Loma Nazarene University (PLNU), these students are requested to register with the Disability Resource Center (DRC), located in the Bond Academic Center. (DRC@pointloma.edu or 619-849-2486). The DRC's policies and procedures for assisting such students in the development of an appropriate academic adjustment plan (AP) allows PLNU to comply with Section 504 of the Rehabilitation Act and the Americans with Disabilities Act. Section 504 (a) prohibits discrimination against students with special needs and guarantees all qualified students equal access to and benefits of PLNU programs and activities. After the student files the required documentation, the DRC, in conjunction with the student, will develop an AP to meet that student's specific learning needs. The DRC will thereafter email the student's AP to all faculty who teach courses in which the student is enrolled each semester. The AP must be implemented in all such courses.

If students do not wish to avail themselves of some or all of the elements of their AP in a particular course, it is the responsibility of those students to notify their professor in that course. PLNU highly recommends that DRC students speak with their professors during the first two weeks of each semester about the applicability of their AP in that particular course and/or if they do not desire to take advantage of some or all of the elements of their AP in that course.

Academic Honesty:

Students should demonstrate academic honesty by doing original work and by giving appropriate credit to the ideas of others. Academic dishonesty is the act of presenting information, ideas, and/or concepts as one's own when in reality they are the results of another person's creativity and effort. A faculty member who believes a situation involving academic dishonesty has been detected may assign a failing grade for that assignment or examination, or, depending on the seriousness of the offense, for the course. Faculty should follow and students may appeal using the procedure in the university Catalog. See the PLNU 2019-2020 Undergraduate Academic Catalog for definitions of kinds of academic dishonesty and for further policy information.

Copyright Protected Materials:

Point Loma Nazarene University, as a non-profit educational institution, is entitled by law to use materials protected by the US Copyright Act for classroom education. Any use of those materials outside the class may violate the law.

Schedule of Due Dates

Academic Internship Contract signed by your supervisor	January 29, 2020
Internship Tracking Form – fill out Google document also sign form and return to Dr. Zack	
Meeting with Dr. Zack to discuss internship and possible readings for paper.	February 21, 2020
Outline for your essay. Discuss and review the components with Dr. Zack.	March 20, 2020
Draft of Internship Essay due to Dr. Zack	April 3, 2020
Internship Evaluation Essay due to Dr. Zack	April 24, 2020 (Friday before Finals week)
Weekly Timesheets	Due Every Wednesday please scan or photograph and send via email.

Documents Attached:

- Academic Internship Contract
- Internship Tracking Student Notifications
- Weekly Internship Report (timesheet)
- Instructions for Internship Evaluation Essay

ACADEMIC INTERNSHIP CONTRACT

Point Loma Nazarene University
3900 Lomaland Drive
San Diego, California 92106
(619) 849-2458

COMPLETION OF THIS FORM IS REQUIRED FOR ALL
DEPARTMENT SPONSORED INTERNSHIPS

REQUIREMENTS:

1. Obtain approval for internship from the Department Chair.
2. Submit proposal for scope of work for the internship to your PLNU internship supervisor. **Due end of 2nd week of semester.**
3. Submit Weekly Internship Reports (with on-site Supervisor's signature). **Due each week.**
4. Submit Internship Evaluation Essay. **See syllabus for due date.**

PRINT LEGIBLY OR TYPE THE FOLLOWING INFORMATION:

DATE _____

NAME _____ I.D.# _____
Last First Middle

LOCAL ADDRESS: _____
Street Unit #

_____ Phone _____
City State Zip

PERMANENT ADDRESS: _____
Street Unit #

_____ PHONE _____
City State Zip

MAJOR: _____ GRADUATION DATE: _____

PRESENT CLASS LEVEL: _____



POINT LOMA
NAZARENE UNIVERSITY

Internships (Supervised Field Experiences): Tracking Student Locations
Office of Institutional Effectiveness

Dear PLNU Student:

Please complete the following information, which will help us determine whether your proposed internship will occur in an authorized state, region, territory, or nation. The Office of Institutional Effectiveness will review the information and follow up with internship coordinators, if necessary.

Student Information, Major, Internship Type & Location (Google Form)
<http://tinyurl.com/gwah4x4>

By checking this box, I confirm that the foregoing information I provided is accurate and true. I understand that I may not be eligible to participate in internships in states where PLNU is not authorized to conduct supervised field experiences. I affirm that the internship to which I'm applying is state-authorized and/or exempt for PLNU students.

By checking this box, I confirm that I have read and understand PLNU's information about state authorizations: <http://www.pointloma.edu/experience/offices/administrative-offices/institutional-effectiveness/disclosures>

Printed Name: _____

Signature: _____ Date: _____

*** TO TEACH * TO SHAPE * TO SEND ***

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WEEKLY TIMESHEET/INTERNSHIP REPORT

Student Intern's Name: _____

PLNU I.D. Number: _____

Monday, _____ Start time: _____ End Time: _____
(month and date) Start time: _____ End time: _____

Description of duties/projects: _____

Tuesday, _____ Start time: _____ End Time: _____
(month and date) Start time: _____ End time: _____

Description of duties/projects: _____

Wednesday, _____ Start time: _____ End Time: _____
(month and date) Start time: _____ End time: _____

Description of duties/projects: _____

Thursday, _____ Start time: _____ End Time: _____
(month and date) Start time: _____ End time: _____

Description of duties/projects: _____

Friday, _____ Start time: _____ End Time: _____
(month and date) Start time: _____ End time: _____

Description of duties/projects: _____

Saturday, _____ Start time: _____ End Time: _____
(month and date) Start time: _____ End time: _____

Description of duties/projects: _____

Signatures: _____
(student) (date)

(on-site Supervisor) (date)

Department of Mathematical, Information and Computer Sciences

Internship Evaluation Essay

Your final report must be turned in by the Friday before the beginning of finals week. Please follow the outline presented here to prepare a typewritten, double-spaced narrative (in paragraphs and sentences) report. The reports should be approximately 5 pages long.

Remember to: 1) pay careful attention to grammar, punctuation, and spelling (if I find the report to be unacceptable, I will return it to you for rewriting); 2) put your name on the title page.

You do not have to limit your report to the information required in the following outline. If you wish to provide additional insights or information, please do so.

The Nature of Your Internship

- The company or organization (include address)
- Description of your duties

What You Learned

- New Skills
 - What can you do now that you could not do before the internship?
 - For at least one of these new skills provide a specific description of how you learned this skill and how you used it in your internship.
- Orientation to the work environment
 - What do you know now about interacting with peers, customers, and superiors that you did not know before the internship?
 - Describe at least one interpersonal interaction (peers, customers and superiors) where you learned something new. Would you handle a similar situation differently in the future? If yes, how would you handle it? If no, why do you think that your approach worked?
- Applicability to your future
 - How will your new skills and knowledge help you attain your career goals?

New Technical Information Learned

- You should describe the new technical knowledge you gained in the internship (this may be new topics or greater depth in a known topic).
- Your new knowledge should be based on reading at least two articles, book chapters, etc. The information should be use proper referencing techniques to indicate what information was learned from your reading.

Connections to Your Academic Work

- Which classes that you took at PLNU were connected to the work you were doing?
- How where these classes connected?
 - Describe at least one specific task/project on which you worked and describe how you used specific skills and knowledge gained in your PLNU coursework.
- What do you need to study in more depth if you are to enter this field of work?

Significant Events or Experiences

- Specific situations in which you feel you handled a difficult matter well or demonstrated particular competence
- Specific people you met (both in and outside the organization) whom you now value as contacts (names, titles, and companies). How to you plan to make use of those contacts in the future?

Evaluation of Your Internship Experience

- Satisfaction with the site hosting the internship
- Satisfaction with the supervision you received
- Satisfaction with the skills and knowledge you gained