SYLLABUS

COURSE TITLE: New Orleans Technology Innovation Bootcamp
XCOR 1012 (New Orleans Experience)

Since Katrina, New Orleans has witnessed a growth in innovative activities, by attracting new Startups and established companies through low costs and tax incentives. In a recent report released in 2017 by the US Chamber of Commerce, New Orleans was ranked #19 out of the top 25 innovative cities in the United States primarily through it's #1 ranking in connectivity; the city's main economic and social support is integrated into the efforts of the startup community. As the global market transitions from phase one of the technology revolution to stage two, responses in global interactivity, economic development, and population growth have influenced startups to address user needs in health, education, energy, and infrastructure; inspiring relocation from primary tech cities; San Francisco, Boston, and New York, to smaller cities, which can offer environments for new possibilities. The "next-wave of startups will fundamentally change the way people live, work, move, and interact with the world and partnering with public and private sector leaders is essential to progress."

In the past few years, New Orleans has made progress as #1 in employment growth, #8 Best city for Women in Tech, and #1 City for Creatives, however, further advancements in the New Orleans technology sector relies on efforts from the city's community including active academic institutions. As a leading STEM university with historical roots in New Orleans culture, Xavier University of Louisiana offers an excellent position as a prime participant in the city's innovation advancements. The XCOR 1012 New Orleans Technology and Innovation Bootcamp, is a seminar course in which incoming Freshman will be introduced to current tech innovations taking place within the city by focusing on the production in companies and Startups for Biomedical, Energy / Environmental, Education, and Creative Media. Students will examine growth in New Orleans through the city's history, location, demographics, and socio-economic structure and be able to identify the benefits and challenges of design and technology innovation. Subjects in which the course will address include: History of Nola Innovation, Global and National Ratings and participation, Why New Orleans: Location, Economic, Benefits, Pre vs Post Katrina, Social Impact, Economic Impact, Millennial Startups and Incubators, Opportunism and Solutions.

PRIMARY CORE LEARNING OUTCOME
·   Students will be able to communicate effectively through writing and speaking.
·   Students will be able to use quantitative, empirical, and critical reasoning skills to solve problems
·   Students will be able to incorporate diverse cultural perspectives in their analysis of issues, from
local to global, and to recognize the interconnectivity of human experience.

COURSE AREA GOALS
•   Students will write and speak clearly, concisely, and coherently about broad issues or questions pertaining to the New Orleans metropolitan area and region.
•   Students will use reason and evidence to critically evaluate views expressed by others addressing specific questions pertaining to the New Orleans metropolitan area and region.
•   Students will formulate in speech and writing a rational, coherent, and well-informed view of their own on some broad issue or question pertaining to the New Orleans
•   metropolitan area and region.

Additional Learning Outcomes:
By the end of this course students will be able to:
·   Understand technology development in the city of New Orleans
·   Demonstrate knowledge the city's innovation impact within the National and International ecosystem.
·   Demonstrate understanding of tech innovation for cross disciplinary fields
·   Demonstrate knowledge of current and future opportunities for Startup production.

Course Topics:
History & Theory of New Orleans Tech Innovation
National and Global Ratings
Why New Orleans: Location, Economic, Benefits
Pre vs Post Katrina
Industries
        Medical
        Environmental
        Design / Media
Social Impact
Economic Impact
Incubators
Opportunity / Solutions

Articles:
https://www.bpir.com/images/PDFs/BPInnovation/ds7a_innovation_teams_in_government.pdf
https://www.enr.com/articles/44968-mississippi-river-diversions-could-save-louisianas-drowning-coast
https://nola.curbed.com/2018/9/28/17909786/black-entrepreneurs-fighting-gentrification-broad-street
http://www.bizneworleans.com/March-2017/The-Data-Center-How-Are-Minority-Owned-Businesses-Faring-Post-Katrina/
"How technology is transforming New Orleans", Larry Alton, InfoWorld, May 17, 2017
"Why New Orleans Is the Coolest Start-up City in America", Donna Fenn, Inc.com, APR 6, 2011
"DXC Technology's New Orleans office is now open", Posted May 23, 2018, Jennifer Larino, NOLA.com | The Times-Picayune
"America's New Brainpower Cities", Joel Kotkin, Apr 3, 2014, 10:05am
2019 Best Tech Startups in New Orleans – The Tech Tribune
"What Makes New Orleans a Startup City to Rival the 'Big Three'", Tim Williamson, MARCH 08, 2016, Harvard Business Review
"The Cities Creating the Most Tech Jobs 2017", Joel Kotkin, Mar 16, 2017, 12:45pm
"New Orleans' Burgeoning Tech Sector", PYMNTS.com, May 18, 2017
"New Orleans more vulnerable as technology advances", Katherine Mozzone, August 19, 2018 at 12:42 AM CDT (WVUE)
"New state-of-the-art facilities are dedicated to the advancement of Leviton's home and business automation technology", NEW ORLEANS, Sept. 26, 2017 /PRNewswire/ 09:57 ET
"Just how hot — and cool — is the tech industry in
New Orleans?", POSTED 8:23 PM, AUGUST 22, 2018, BY CURT SPRANG

Resources:
https://www.datacenterresearch.org/
Idea Village
https://www.nolaba.org/prosperity-nola/

Materials / Supplies: Required @ each class
Grid Paper Pad or Notebook
Pencil, Pen, Thin Sharpie
Access to Computer Resources & Database
Flash Drive
Google Drive

Performance Requirements:
Each week students will engage in lecture and discussion. Students will require additional time outside of class for reading and assignments. Due to the amount of content addressed each class, presence and punctuality are essential to the success in student performance. Participation through discourse, presentation, and peer efforts is valued, contributing to student learning experience and final grades. Should you be absent, you are responsible for learning all material covered in class by contacting a classmate.

Cell phones are to remain in bags during lectures.

Evaluation:
The full semester course grade will be distributed out of 100 total points as follows:

Participation: *Presence in class, Active in Discussion/Questions, Working as Unit with Peers* **10 pts**
        Quizzes (3)   **15 pts**
        Reading Summaries (3)   **15 pts**
        Presentation (2)   **20 pts**
        Research Papers (2)
        20 pts
Final
20pts

Total   **100 points**

Your letter grade will be determined by the following scale:
A = 90 -100, B = 80 - 89, C = 70 -79; and, D = 60 - 69.

Assignments will be grading by rubric.

Reminder of XULA's Policy on the Integrity of Academic Work . . . .
If a student's examination or assignment gives evidence of not being completely his/her own work, s/he may be given an "F" for the course. Please refer to the new CAS Academic Integrity Policy which is posted on XULA's web (xula.edu/CAS/INDEX.PHP) under "Information for Students".

Course Calendar

Week	Subject	Assignments / Deadlines
1	Introduction and Orientation · Discuss Syllabus · Overview of Course · Copyright · Resources Intro / History of New Orleans Innovation Pre vs Post Katrina Industry	**Assignment:** Reading
2	Pre vs Post Katrina Industry Why New Orleans: Location, Economic, Benefits City / State Incentives	

3	New Orleans Innovation National / Global Ratings and Participation	**Assign:** Research Assignment 1 **Due:** Reading Summary 1
4	Review Field Work	*Quiz 1*
5	Presentations	**Due:** Research Assignment 1
6	Tech culture Millennials Diversity	**Assign:** Research Assignment 2 **Due:** Reading Summary 2

7	Community, Academic Institutions
	Fields:
	    Biomedical
	    Environmental
	    Energy
	    Design / Media	

8	Fields:
	    Biomedical
	    Environmental
	    Energy
	    Design / Media
	Review
	Field Work
		Quiz 2

9	Inventions Startups Incubators	**Assign:** Research Assignment 3 / Final **Due:** Reading Summary 3
10	Social and Economic Impact Job Creation Housing Market Cost of Living	

11	Investors Opportunities Solutions	
12	Review Field Work	*Quiz 3*
13	Field Work	**Due:** Reading Summary 4
14	**Final Presentation**	
15	**Final Presentation**	**Due: Research Assignment 3 / Final**