

DATA SCIENCES AND OPERATIONS

Spring 2024

DSO 483 – Operations Consulting

Section – 16238R

Professor

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Email

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When

Tuesdays and Thursdays, 2 pm to 3:50 pm

Office

TBD

Units

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WHY TAKE THIS COURSE?

This course is for **students considering joining the exciting Consulting Industry** and would like to learn....What must I know to be an effective consultant and drive competitive advantage through operations? How do I execute consulting engagements with clients? What does it take to succeed in leading Consulting Firms?

The course includes **a hands-on operations Consulting Project with real-world clients** to experience what it is like to be a Consultant for leading companies

COURSE OBJECTIVES

Upon successful completion, student will be able to:

- ❖ Define operations consulting and the relevant strategic areas
- ❖ Identify, analyze, and fix issues in operations
- ❖ Apply skills needed to succeed in Consulting Firms, including strategy, diagnostic, planning, design, implementation
- ❖ Communicate deliverables to senior clients through effective storylines and synthesis
- ❖ Work as an effective Consultant with a client

KEY CONCEPTS

- ✓ Team-based consulting project engagement
- ✓ Application of digital / AI tools in consulting
- ✓ Data analytics and visualization to address real-life business challenges
- ✓ Methodologies for improving company end-to-end operations
- ✓ Outside-in company analysis
- ✓ Creation of client deliverables using Excel, Tableau, Visio, Presentations

COURSE DESCRIPTION

The course focuses on developing competitive advantage in operations through digital / AI enablement, strategic planning, manufacturing, distribution and logistics, process design, and transformation programs

The class includes student-teams executing projects for select companies, as well as lectures, case discussions, quantitative and qualitative methods, and guest speakers from leading firms