DSO 578 – *Fundamentals of Sports Performance Analytics*

Section(s) – 16288

Professor
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When
Tue/Thu: 11:00 - 12:20 PM

Office
BRI 400 C

Units
1.5

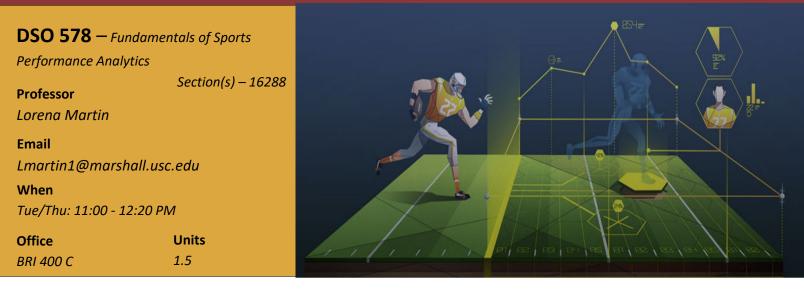## WHY TAKE THIS COURSE?

This course will prepare you for a career in the sports industry. You will learn how to apply statistical and analytical concepts to sports performance. Learn about the behind-the-scenes inner workings of being in the field of sports analytics department in professional sports.

COURSE OBJECTIVES

- Learn how to code
- Apply statistical knowledge to sports
- Gain knowledge about the sports science data protocol implemented in pro sports teams.
- Evaluate performance, player drafting, load management, and market value of athletes.
- Meet experts working in sports analytics in the professional sports industry.

KEY CONCEPTS

- Principles of the measurement model for sports
- Exploratory analysis, correlations, ANOVA, regression models
- Key Performance Indicators in Sports
- Load Management
- Sports Science Data Collection in Pro Sports

COURSE DESCRIPTION

This course will provide you with the fundamental of sports analytics which entails a basic understanding of the different major sports, analytics departments within operations and how to implement and convey the findings to key stakeholders in professional sports.