

Certificate of Graduate Study Spring Semester 2019

n this course we will learn some advance statistical methods, including research designs, and data procedures commonly used in health care. With today's evidence-based practice, it is essential for the health care professionals to understand the data collection and appropriate statistical analysis.

In this course you will be conducting statistical analyses yourself, using the statistical software package JMP 14 Pro. You will also gain a working knowledge in R, a popular programming language. You will be using actual data to conduct an appropriate analysis in JMP/R and then use the results to answer research questions of interest. We will review published medical research and answer questions about different aspects of the study design or sampling protocol, statistical methods used, and conclusions reached.

Start Date and Time

January 23-May 22 • Wednesdays 6-8:45 p.m.
Cooper University Hospital

Certificate Program Highlights

- All courses are located on the Cooper campus, Room TBD
- Evening hours
- 4 courses or 12 graduate semester hours
- Certificate awarded at completion
- Applicants can register as non-matriculated for the first three classes.

Objectives

DESCRIPTION:

- Discuss and explain what statistics is and how it is used in the field of public health.
- Understand the common statistical techniques and terminology used in studies that are presented in the popular press and health related journals.
- Be able to identify suitable statistical techniques for the data, how to interpret such data and derive conclusions.

Specific Topics

WE PLAN TO COVER THE FOLLOWING TOPICS:

- Effect Size
- Power, and Sample Size
- Multiple Regression and Analysis of Covariance (ANCOVA).
- Logistic Regression
- Advanced ANOVA Methods
- Nonparametric Test Methods used in Epidemiology and Meta-Analysis

Tuition

Rowan graduate tuition is \$2400 for the three credit course.

For questions regarding the Certificate program please contact Anthony Breitzman at Breitzman@rowan.edu.

For assistance with the registration form please contact Nancy Street at Street-Nancy@cooperhealth.edu

To apply to Computational Data Management Certificate of Graduate Study, visit http://admissions.rowanu.com/to begin the application process.







Office of the Registrar

Activation & Registration Form for Visiting (Non-Matriculated) Students

PART I: Request to Be	Activated (or Read	ctivated) for the	following tern	ı:			
Student Biographical Info	ormation						
Rowan ID if applicable SSN optional				Date of birth			
Email address Please write clearly. The email above is a	the one that will be used to communic	ate with you during the active	ation & registration pro	cess.			
Legal name			_				
Last name/ famil y name			First			Middle	
Other names that may appear of	on your academic records						
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Student signature					date		
Signature of Assistant Registrar of Registration & Customer Service (or designee)					date		
Submitting This Form Please fax this form to 856-256-5672, be sent a confirmation email which win carefully. Questions? Contact Office of	ll include your Rowan ID and Pl	IN (if applicable) along w	vith other necessary				

For office use only: Permission Granted? Yes / No Space Available? Yes / No Registered: Date Initials Emailed: Date Initials Revised 01/11/16