

**STUDENT WARNING:** This course syllabus is from a previous semester archive and serves only as a preparatory reference. Please use this syllabus as a reference only until the professor opens the classroom and you have access to the updated course syllabus. Please do NOT purchase any books or start any work based on this syllabus; this syllabus may NOT be the one that your individual instructor uses for a course that has not yet started. If you need to verify course textbooks, please refer to the online course description through your student portal. This syllabus is proprietary material of APUS.



## SOCI603

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### Course Summary

**Course :** SOCI603 **Title :** Advanced Data Analysis for Social Science

**Length of Course :** 8 **Faculty :**

**Prerequisites :** N/A **Credit Hours :** 3

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### Description

#### Course Description:

This is an intermediate course focused on the use of statistical models used in qualitative and quantitative research design and analysis. Students will assess the validity and reliability of different types of statistical tests. Data will be interpreted using analysis of variance or covariance, multiple linear regression, logistic regression, and factor analysis. Students will develop advanced skills in SPSS to run statistical procedures and interpret output. Students will ask questions of data sets, write-up results in briefs, and develop the skills to critique analysis & findings in peer-reviewed literature. NOTE: Students are required to purchase and use the statistical software, SPSS, to successfully complete this course.

#### Course Scope:

This course is part of the online Master of Arts in Sociology program. This program will help prepare you to develop a reflective understanding of human nature and master the objectives of the program.

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### Objectives

By the end of this course, students will be able to:

1. Illustrate a conceptual understanding of the key concepts of statistical inference
2. Demonstrate successful navigation of SPSS to perform a variety of different statistical procedures
3. Illustrate which statistical methods to use based on data, design, and research goal
4. Analyze output of statistical procedure based on the context of data, research design and goal
5. Interpret the use of ANOVA, ANCOVA, MLR, and other statistical tests in peer-reviewed literature

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### Outline

#### Week 1:

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Course materials

Syllabus

Week 1 Learning Materials

Week 1 Readings & Resources

Assignments

Week 1 Class Discussion

Assignment 1

Course objectives

1, 4

## **Week 2:**

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Course materials

Week 2 Learning Materials

Week 2 Readings & Resources

Assignments

Week 2 Individual Discussion

Course objectives

1, 2, 3, 4

## **Week 3:**

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Course materials

Week 3 Learning Materials

Week 3 Readings & Resources

Assignments

Week 3 Individual Discussion

Course objectives

1, 2, 3, 4

## **Week 4:**

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Course materials

Week 4 Learning Materials

Week 4 Readings & Resources

Assignments

## Week 4 Class Discussion

Course objectives

1, 5

## Week 5:

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Course materials

Week 5 Learning Materials

Week 5 Readings & Resources

Assignments

Assignment 2

Course objectives

1, 2, 3, 4

## Week 6:

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Course materials

Week 6 Learning Materials

Week 6 Readings & Resources

Assignments

Week 6 Individual Discussion

Course objectives

1, 2, 3, 4

## Week 7:

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Course materials

Week 7 Learning Materials

Week 7 Readings & Resources

Assignments

Week 7 Class Discussion

Final Project Essay

Course objectives

1, 2, 3, 4, 5

## Week 8:

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## Course materials

Week 8 Learning Materials

Week 8 Readings & Resources

Assignments

Week 8 Class Discussion

Course objectives

1, 2, 3, 4, 5

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## Evaluation

\*Note: Successful completion of the sociology graduate program requires a portfolio with artifacts from your courses. Save all of the assignments you submit in class, whether they are marked as an artifact or not, for use in your portfolio at the end of the program. Depending on when you complete SOCI698, your past courses and assignments may no longer be accessible to you.\*

### Grading:

Name	Grade %
Discussions	40.00 %
Week 1: Introduction and Topics Concepts	4.00 %
Week 2 Discussion Frequencies and Descriptives	6.00 %
Week 3: Crosstabs	6.00 %
Week 4: Analyzing the Methods of a Peer-reviewed Study	4.00 %
Week 6: Tests of Significance	8.00 %
Week 7: Interpreting Statistics in a Peer-reviewed Study	4.00 %
Week 8: Your Findings	8.00 %
Assignments	60.00 %
Assignment 1: Beginning a Quantitative Study Using Existing Data	12.00 %
Assignment 2: Applying Tests of Significance	18.00 %
Assignment: Completing the Research Study - Final Project Essay	30.00 %

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## Materials

**Book Title:** Applied Univariate, Bivariate and Multivariate Statistics - e-book available in the APUS Online Library

**Author:** Denis

**Publication Info:** Wiley Lib

**ISBN:** 9781118632338

**Book Title:** Basic Statistics for Social Research - e-book available in the APUS Online Library

**Author:** Hanneman

**Publication Info:** Wiley Lib

**ISBN:** 9780470587980

**Book Title:** Various resources from the APUS Library & the Open Web are used. Please visit <http://apus.libguides.com/er.php> to locate the course eReserve.

**Author:**

**Publication Info:**

**ISBN:** ERESERVE NOTE

**Book Title:** SPSS, Statistical Software- Required software for the course. Purchase information is available here - <https://apus.libguides.com/c.php?g=241438&p=3363345>. Cost may vary by subscription length.

**Author:**

**Publication Info:**

**ISBN:** SOCI603- Software

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All course materials are free and provided in our Library. Link to our [eReserve page in the Library](#) and select this course to access your materials.

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## Course Guidelines

### Citation and Reference Style

- Students will follow APA format as the sole citation and reference style used in written assignments submitted.
- Please note that no formal citation style is graded on Forums in the School of Arts & Humanities

### Tutoring

- [Tutor.com](#) offers online homework help and learning resources by connecting students to certified tutors for one-on-one help. AMU and APU students are eligible for 10 free hours of tutoring provided by APUS. Tutors are available 24/7 unless otherwise noted. Tutor.com also has a SkillCenter Resource Library offering educational resources, worksheets, videos, websites and career help. Accessing these resources does not count against tutoring hours and is also available 24/7. Please visit the APUS Library and search for 'Tutor' to create an account.

### Late Assignments

#### University Late Policy

All dates and times posted are for U.S. Eastern Standard time. It is your responsibility to know how that translates to your time zone and to submit assignments and tests per these posted deadlines.

You are expected to submit assignments by the due dates listed in the classroom. Late assignments may not be accepted after the course end date. Submitting an assignment late may result in a penalty of up to 10% of the grade per day late, not to exceed a maximum of 50% (5 days late). The amount of the penalty is at the faculty member's discretion.\*

\*Programs with specialty accreditation and students with DSA accommodations may have different late policies applied.

## Turn It In

Assignments are automatically submitted to Turnitin.com within the course. Turnitin.com will analyze an assignment submission and report a similarity score. Your assignment submission is automatically processed through the assignments area of the course when you submit your work.

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# Communications

## Student Communication

To reach the instructor, please communicate through the MyClassroom email function accessible from the Classlist of the Course Tools menu, where the instructor and students email addresses are listed, or via the Office 365 tool on the Course homepage.

- In emails to instructors, it's important to note the specific course in which you are enrolled. The name of the course is at the top center of all pages.
- Students and instructors communicate in Discussion posts and other learning activities.
- All interactions should follow APUS guidelines, as noted in the [Student Handbook](#), and maintain a professional, courteous tone.
- Students should review writing for spelling and grammar.
- [Tips on Using the Office 365 Email Tool](#)

## Instructor Communication

The instructor will post announcements on communications preferences involving email and Instant Messaging and any changes in the class schedule or activities.

- Instructors will periodically post information on the expectations of students and will provide feedback on assignments, Discussion posts, quizzes, and exams.
- Instructors will generally respond to student communications within 48 hours, except in unusual circumstances (e.g., illness).
- The APUS standard for grading of all assessments (assignments, Discussions, quizzes, exams) is five days or fewer from the due date.
- Final course grades are submitted by faculty no later than seven days after the end date of the course or the end of the extension period.

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# University Policies

Consult the [Student Handbook](#) for processes and policies at APUS. Notable policies:

- [Drop/Withdrawal Policy](#)
- [Extension Requests](#)
- [Academic Probation](#)
- [Appeals](#)
- [Academic Dishonesty / Plagiarism](#)
- [Disability Accommodations](#)
- [Student Deadlines](#)

- [Video Conference Policy](#)

## **Mission**

The [mission of American Public University System](#) is to provide high quality higher education with emphasis on educating the nation's military and public service communities by offering respected, relevant, accessible, affordable, and student-focused online programs that prepare students for service and leadership in a diverse, global society.

## **Minimum Technology Requirements**

- Please consult the catalog for the minimum hardware and software required for [undergraduate](#) and [graduate](#) courses.
- Although students are encouraged to use the [Pulse mobile app](#) with any course, please note that not all course work can be completed via a mobile device.

## **Disclaimers**

- Please note that course content – and, thus, the syllabus – may change between when a student registers for a course and when the course starts.
- Course content may vary from the syllabus' schedule to meet the needs of a particular group.