

**Department of Counseling, School and Educational Psychology
 Tentative – Fall 2026 Non-Matric Course Schedule**

Prospective Non-Matriculating Student Information Sheet

This sheet has been prepared for students interested in taking courses in the Department of Counseling, School and Educational Psychology (CSEP) who have never been formally accepted to a program. Students interested in taking classes in CSEP on a non-matriculating basis must complete an online application for non-degree students that can be found at: <http://ed.buffalo.edu/academics/courses.html>.

In addition to the online application and \$35.00 non-refundable fee, proof of a bachelor's degree is required. Students may take up to 12 credits as a nonmatriculated student. Non-matriculating students are allowed to enroll (with instructor permission) in the courses below.

****PLEASE NOTE: If a course section has low enrollment, it will not be offered.**

CEP	Course Title	Room	Day/Time
500	Fundamentals of Educational Research	Remote	Asynchronous
501	Psychological Foundations of Education	Remote	Asynchronous
503	Tests and Measurements	Remote	Asynchronous
508	Fnd Ed Science & Analytics	On Campus	Wednesday 4:10PM-6:50PM
509	Ed & Psych Measurement	On Campus	Tuesday 9:00AM-11:40AM
521	Mental Health Counseling	On Campus	Thursday 9:00-11:40AM
521	Mental Health Counseling	Remote	Asynchronous
522	Statistical Methods: Inference 1	On Campus	Thursday 4:00PM-6:40PM
522	Statistical Methods: Inference 1	Remote	Asynchronous



525	Multivariate Statistical Techniques	On Campus	Wednesday 1:00PM-3:40PM
526	Structural Equation Modeling	On Campus	Monday 4:00PM-6:50PM
527	Large Database Analysis	Remote	Tuesday 4:00PM-6:40PM
532	Understanding Statistical Research	On Campus	Monday 9:00AM- 11:40AM
532	Understanding Statistical Research	Remote	Wednesday 6:00PM-8:40PM
541	Human Growth & Development	On Campus	Tuesday 1:00- 3:40PM
541	Human Growth & Development	Remote	Asynchronous
586	Assessment in Mental Health Counseling	On Campus	Wednesday 1:00-3:40PM
649	Rehabilitation Foundations	Remote	Asynchronous
653	Foundations of Counseling Theory	On Campus	Wednesday 4:10-6:50PM
653	Foundations of Counseling Theory	Remote	Asynchronous
661	Medical & Psychosocial Aspects of Disability	Remote	Arranged
680	Career Development	On Campus	Monday or Thursday 7:00-9:40PM
680	Career Development	Remote	TBD
695	Psychopathology Interventions	On Campus	Wednesday 9:00AM- 11:50AM
695	Psychopathology Interventions	On Campus	Monday 4:10PM-6:50PM
695	Psychopathology Interventions	Remote	Asynchronous



COURSES FOR NON-MATRICULATING STUDENTS

Fall 2026

CEP 500 – Fundamentals of Educational Research - Online

Introduction to scientific inquiry in education with focus on critical quantitative research methods; Development of core competencies for equity-oriented statistical research, including quantitative research designs (i.e., experimental, correlational, causal-comparative, survey, meta-analysis, computational research), measurement, statistics, data analysis and reporting. Note. This course is required for the Advanced Certificate of Applied Statistical Analysis.

CEP 501 – Psychological Foundations of Education - Online

This course is designed to engage students in the field of Educational Psychology and its contributions to classroom teaching and learning. We will explore thinking, learning, relationships, culture, background and experiences and how these relate to teaching and learning. Through lectures, discussions, and interactive exercises, we will explore the dynamic relationship between students, the teacher, and the learning environment. Discussion will focus on both theoretical models and real world applications, with emphasis on contemporary approaches to stimulating active and reflective learning and the improvement of the quality of education we provide to students.

CEP 503 – Tests and Measurements – Online

This course focuses on basic measurement principles, client assessment in the counseling process, and the nature of tests used in rehabilitation and school counseling. First, the course focuses on the history and foundations of tests and measurement, basic testing and assessment concepts, important social and ethical issues in testing, and statistical and psychometric concepts in measurement necessary to interpret and use testing information. Next the course deals with the identification, administration, scoring, interpretation, and usage of tests frequently used in the field. Finally, the course introduces students to program evaluation methodology. Upon completing the course, students will be better able to identify and gather essential client information, interpret test results, understand the limitations of test information, and use test results to assist in planning, monitor the progress of their clients, and evaluate the effectiveness of treatments/service plans.



CEP 508 – Foundations of Educational Data Mining and Learning Analytics – On Campus

This course provides a comprehensive introduction to the application of data science in educational contexts, emphasizing the use of clustering analysis. Students will gain hands-on experience with Python, Jupyter Notebooks, and machine learning algorithms to analyze educational data and derive meaningful insights. The course is designed to equip students with the necessary skills to handle real-world educational datasets, focusing on data preprocessing, supervised and unsupervised learning, and the application of clustering techniques to understand student behavior and learning styles.

CEP 509 – Educational and Psychological Measurement – On Campus

Basic measurement principles of reliability, validity, scales and norms, test construction strategies, and item analysis techniques. Students become familiar with major standardized tests, develop a test or scale, perform item analysis.

CEP 521 – Mental Health Counseling – Online and On Campus

This introductory course provides an overview of mental health counseling as a profession. The texts and assignments are designed to introduce students to the field. Core topics include: history and current trends of counseling, mental health counselor's activities and work settings, role of diagnosis and counseling theories, community interventions and outreach, professional issues, and ethics. The eight core areas of the Standards of Practice for CACREP (Council for the Accreditation of Counseling and Related Educational Programs) also will be briefly examined: human growth and development, social and cultural foundations, helping relationships, career development, group work, appraisal, research and program evaluation, and professional ethics. Emphasis on multicultural competence and social justice advocacy as well as awareness of personal characteristics and strengths needed to be an effective counselor are also explored in this class.

CEP 522 – Statistical Methods: Inference 1 – Online and On Campus

This applied statistics course is for graduate students who need to use statistical methods in their own research. It is the first part of the two-semester sequence CEP522-CEP523, although it is valuable as a stand-alone course as well. It includes theoretical concepts and applications of statistical methods. Statistical applications are



emphasized through the use of hypothetical and real data sets, and through weekly computer labs in which students run the SPSS program and interpret the results. Students who complete this course will know how to choose an appropriate statistical procedure for many research questions, complete the statistical analysis, and interpret the results of the analysis.

CEP 525 – Multivariate Statistical Techniques – On Campus

This course focuses on multivariate analysis of variance (MANOVA), multivariate regression, factor analysis, cluster analysis, and latent variable models (e.g., latent class/profile analysis). Students will learn and apply multivariate statistical methods by using several datasets and R for data analysis exercises. Prerequisite: CEP 523 or equivalent.

CEP 526 – Structural Equation Modeling – On Campus

This course is organized to provide conceptual understanding of and discuss issues related to structural equation modeling. This advanced methodology course aims to acquaint graduate students who are preparing for a major research project in social and/or educational fields with practical knowledge in the applications of structural equation modeling.

CEP 527 – Large Database Analysis - Online

The objective of this course is to enable students to develop understanding and applications of large-scale national and international educational databases (e.g., PISA, TIMSS, ELS, and HSLs) for scientific research and evaluation. The course addresses complex sampling and weighting problems and covers advanced statistical models and methods for the estimation of causal effects. The lab part gives students hands-on experiences with analysis of selected databases using electronic codebook (ECB) and statistical analysis programs (SPSS, IEA IDB analyzer, and AM program). The scholarly empirical final paper project is designed to help students learn how to identify a research question in education, apply an appropriate method to the question at hand, analyze data pertinent to their research question, estimate appropriate statistical models, and write up the results of the study in compelling and appropriately scholarly manner.



CEP 532 – Understanding Statistical Research – Online and On Campus

The purposes of this course are to understand the reasoning and methods upon which quantitative research is conducted and to interpret and critique research studies involving quantitative data. This course is designed for "consumers" of empirical research. Learning will take place through reading about statistics, critiquing journal articles, and participating in class activities and discussions. Although some statistical methods are discussed and practiced, this course would not be sufficient preparation for the completion of a master's thesis or doctoral dissertation.

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CEP 541 – Human Growth & Development – Online and On Campus

This course is designed to engage students in a meaningful exploration of human development from prenatal experience through adolescence. The central questions of developmental psychology concerning the nature and sources of development, as well as the importance of the cultural contexts in which development occurs, will be considered throughout. Special attention will also be given to contemporary themes, such as the meaning of childhood, cognitive development and schooling, identity formation, and cultural influences on development. This course is especially useful for professionals who work with children in a variety of settings, such as schools, daycare centers, or child service agencies.

CEP 586 – Assessment in Mental Health Counseling – On Campus

This course provides mental health counseling students with knowledge, skills, and practice necessary to understand and implement counseling assessment tools used to identify and evaluate various mental health dysfunctions and disorders. Students will study practical implications of psychometrics, biopsychosocial assessment, and clinical principles relevant to understanding and treating mental health-related problems. In addition, assessment issues will be discussed within the context of cultural and special populations as well as legal and ethical considerations.



CEP 649 – Rehabilitation Foundations – Online

This course will provide a broad overview of the profession of rehabilitation counseling with an emphasis on both theoretical and practical aspects of the field. It also introduces the history, philosophy, ethical and legal basis, principles, service delivery systems and procedures of rehabilitation counseling. It equips future rehabilitation counselors with fundamental knowledge and skills in serving people with disabilities in state-federal (public), non-profit, and private/for-profit rehabilitation sectors as one of rehabilitation team members.

CEP 653 – Foundations of Counseling Theory – Online and On Campus

The main function of this course is to introduce the major theories of counseling and psychotherapy, their background or history, the theories of personality from which they are derived, and their applications to counseling practice. The course also includes consideration of professional and ethical issues in counseling. In addition to learning about established counseling theories, each student will have the opportunity to develop her/his own counseling theory. Class time will be divided among lecture presentations, viewing of videotapes of various counseling approaches, and small group discussions and activities. As a result of this course you will: Be exposed to a variety of ethical and professional issues in counseling and develop positions on some of these issues. Study the ACA and/or APA ethics code(s) and have your own copy of them for future reference. Gain basic understanding of the theory, practice, and application of varied approaches to counseling. Form your own personal theory of counseling. Develop skills in self-evaluation, writing and critical thinking. Notice your own qualities that support and hinder your attempts at being therapeutic for others.

CEP 661 – Medical & Psychosocial Aspects of Disability – Online

This is an advanced required course for students pursuing graduate study in rehabilitation counseling. Students in related programs may enroll with prior permission from the instructor. The course is intended to provide students with a broad overview of human body systems, medical aspects of disability, and psychosocial context across lifespan. The content includes medical terminology as well as the symptoms, functional limitations, treatment strategies, and psychosocial/vocational implications of the common conditions which may cause chronic illness and disability. It also provides a broad overview of disability classification models, health care delivery systems, health related resources, and health promotion strategies. Instructors will facilitate discussions of current disability-related health, psychological, and social issues.



CEP 680 – Career Development – Online and On Campus

Work in America and basic aspects of vocational counseling; theories of career development and choice; relationship between education or training and work; career counseling in various settings and with diverse populations; special problems (e.g., job satisfaction, displacement, dual-career families, indecision, and indecisiveness, etc.); assessment and information issues; impact and development of interests, abilities, and values.

CEP 695 – Psychopathology Interventions – Online and On Campus

The course will focus on the fundamentals of psychopathology, diagnosis, and the integration of evidence-based biopsychosocial interventions in professional practice. Students will review the current edition of the Diagnostic and Statistical Manual for Mental Disorders (DSM-5) and consider the benefits and limits of the DSM. An additional emphasis of the class is the application of evidence-based therapeutic interventions.