

University of Michigan – Dearborn  
Graduate Psychology Assessment Program

**Graduate Clinical Health Psychology Program Goals**

**1 Psychotherapy Skills Acquisition:** To train students in the skills and knowledge necessary to be an effective and ethical psychotherapist. This includes the ability to treat a variety of psychopathologies employing a clear theoretical perspective, and apply behavioral medicine therapies for medical conditions.

**2 Assessment Skills Acquisition:** To train students in the skills and knowledge necessary to accurately and efficiently determine a broad range of functioning and health including psychological assessment and diagnosing psychopathology. This includes assessing the role of psychological processes as contributing factors to traditional medical concerns.

**3 Testing Skills Acquisition:** To train students in the application and use of personality and cognitive testing. This includes the administration, scoring, and interpretation of common psychological tests.

**4 Research Methods:** To train students to understand and apply research on disease/disorder etiology and treatment to their clinical practice.

**5 Professional and Ethical Development:** To indoctrinate students into their role and identity as professional healthcare providers

**6 Professional Report Writing:** To train students in professional communication and report writing including intake assessment reports and psychological testing reports.

**7 Knowledge of Health Psychology and Behavioral Medicine:** Students will be able to demonstrate basic knowledge of the major concepts used in health psychology and behavioral medicine. This includes a general understanding of basic theories, research findings, and medical knowledge used within these disciplines.

Clinical Health Psych (Revised on 6/13)

1 = low coverage; 2 = intermediate coverage; 3 = high coverage

Number	Name	Psychotherapy Skills	Clinical Assessment Skills	Testing Skills	Research Methods	Professional & Ethical Development	Professional Report Writing	Knowledge of Health Psych & Bmed
557	Health Psychology	1	1	1	2	1	3	3
582	Statistics I	1	1	1	3	2	2	1
545	Psychopathology	1	3	2	1	1	3	2
583	Statistics II	1	1	1	3	2	2	1
575	Biological Psychology	1	2	1	2	1	2	3
547	Psychotherapy I	3	2	1	1	2	1	1
548	Psych Assessment I	1	2	3	1	2	2	1
552	Psychotherapy II	3	2	1	1	2	2	1
593	Ethics & Professional Issues	1	1	2	2	3	2	1
549	Psych Assessment II	1	2	3	1	2	3	1
565	Psychotherapy III	3	1	1	1	2	1	1
698	Practicum	3	3	3	1	2	3	2

## Clinical Health Psychology Core Course Learning Outcomes

### Psyc 557 Advanced Health Psychology - Learning Outcomes:

1. Students will be able to describe the common illnesses and related basic physiology faced by health psychologists.
2. Students will be able to describe the role of psychology as a discipline integrated into traditional healthcare.
3. Students will be able to describe and apply the biopsychosocial model in assessing disease and treatment.
4. Students will be able to describe the role of psychological and behavioral factors in chronic diseases and the role of psychology in prevention and treatment.
5. Students will be able to identify current issues facing healthcare delivery in the United States.

### Psyc 5825 Statistics 1 - Basic Methods and Statistics in Health Psychology

#### - Learning Outcomes:

1. Students will review and demonstrate mastery of basic statistical concepts, such as descriptive statistics, (central tendency, variability, skew, kurtosis), scales of measurement, frequency distributions, hypothesis testing, etc.
2. Students will understand the strengths and weakness of a variety of research methods (e.g., experimental, quasi-experimental, qualitative), and statistical techniques.
3. Students will become proficient in the use of SPSS.
4. Students will be able to select an appropriate statistical test based on the properties of the data, study design, sample size, and statistical assumptions.
5. Students will understand the difference between parametric and nonparametric statistical analysis and when each may be used.
6. Students will be able to correctly interpret statistical results with an understanding of the limitations of statistical analyses (e.g., Type I and Type II error).
7. Students will be familiar with these statistical techniques: General Linear Model  
(including ANOVA, ANCOVA, multiple regression), loglinear analysis, reliability testing.
8. Students will be able to effectively articulate the ideas, concepts and methods covered in the course, using a scientific writing style and following the APA style manual.

### Psyc 545 Advanced Psychopathology

#### - Learning Outcomes:

1. Students will be able to demonstrate proficient knowledge of various diagnostic categories of psychopathology.
2. Students will develop an appreciation for the complexity of psychological/psychiatric illness.
3. Students will develop an understanding for the ethical considerations related to psychopathology and diagnosis.
4. Students will be able to describe etiology, risk factors for development, maintenance, and course of psychopathology using current theoretical models and paradigms.
5. Students will be able to apply their knowledge of psychological/psychiatric illness to a case presentation and provide an accurate multiaxial diagnosis.
6. Students will be able to demonstrate the use of critical thinking as related to psychopathology.
7. Students will be able to describe and critically evaluate the current research associated with psychopathology.

### Psyc 5835 Statistics 2 - Advanced Methods and Statistics in Health Psychology

#### - Learning Outcomes:

1. Students will understand the strengths and weakness of a variety of research methods (e.g., experimental, quasi-experimental, qualitative), and statistical techniques.
2. Students will understand the challenges of conducting research in a variety of applied contexts (e.g., program evaluation, epidemiological research).
3. Students will be able to select an appropriate statistical test based on the properties of the data, study design, sample size, and statistical assumptions.
4. Students will understand the difference between parametric and nonparametric statistical analysis and when each may be used.
5. Students will be able to correctly interpret statistical results with an understanding of the limitations of statistical analyses (e.g., Type I and Type II error).
6. Students will be able to critically evaluate the quality of research, using standards such as the reliability and validity of measures, and the validity (internal, external, and ecological) of experimental designs.
7. Students will be familiar with these statistical techniques: MANOVA, MANCOVA, multiple regression, logistic regression, meta-analysis, discriminant function analysis, structural equation modeling.

8. Students will be able to effectively articulate the ideas, concepts and methods covered in the course, using a scientific writing style and following the APA style manual.
9. Students will develop an awareness of the importance of ethics throughout the research process, from data collection with human subjects through manuscript writing and submission of the research to conferences and journals.

#### Psyc 575 Biological Foundations of Health Psychology

- Learning Outcomes:

1. Demonstrate understanding of how brain activity relates to psychological functions
2. Use scientific terminology appropriately in reference to biology and behavior.
3. Demonstrate understanding of the divisions of the brain and nervous system and describe their functions.
4. Describe the structure and functioning of neurons, synapses and how neural impulses are generated.
5. Identify the major neurotransmitters and discuss the impact of each on behavior.
6. Demonstrate understanding of the basics of genetics and discuss their role in behavior.  
Describe the role of the brain and nervous system in health and disease.
7. Apply the principles of biopsychology to better understand behavior.  
Discuss how biopsychological knowledge can be used to address a wide range of behavioral and physiological problems.
8. Read experimental and review articles in the field of Neuroscience.
9. Write essays and papers on topics of his/her interest using the principles of neuroscience.

#### Psyc 547 Therapy 1 - Theories and Techniques of Therapeutic Intervention

- Learning Outcomes:

1. Students will be able to describe the basic tenets of the APA Code of Ethics and identify a model for addressing ethical concerns.
2. Students will be able to describe and demonstrate the skills of performing an initial diagnostic intake interview and initial report.
3. Students will be able to describe and demonstrate the theories and skills of developing a therapeutic relationship.
4. Students will be able to describe and demonstrate the application of motivational interviewing.
5. Students will be able to describe and critically evaluate the current research associated with therapy outcomes and processes.

#### Psyc 548 Psychological Assessment 1 - Learning Outcomes:

1. The students will be able to administer, score and interpret such psychological tests as the MMPI-2, MCMI, Roschach, and TAT.

2. The students will demonstrate a working understanding of test theory and both behavioral assessment and clinical interviewing methods
3. Students will be able to write a psychological report discussing results of tests administered using a standard professional format.
4. The student will be familiar with the APA ethical guidelines relevant to psychological testing.

#### Psyc 552 Therapy 2 – Advanced Theories and Techniques of Therapeutic Intervention

- Learning Outcomes:

1. Students will be able to demonstrate a solid theoretical understanding of cognitivebehavioral therapy.
2. Students will be able to experientially demonstrate via role-plays a knowledge of the theory and techniques of CBT to various psychological issues/presenting problems (e. g., depression, anxiety)
3. Students will be able to demonstrate an understanding of the application of CBT theory and techniques to specific health related issues (e.g., pain & eating behaviors)
4. Students will be able to demonstrate a solid theoretical understanding of mindfulness approaches to psychotherapy.
5. Students will be able to experientially demonstrate via role-plays a knowledge of the theory and techniques of mindfulness approaches to various clinical issues/presenting problems (e. g., depression, anxiety)

#### Psyc 593 Professional and Ethical Issues

- Learning Outcomes:

1. Students will be able to describe the basic tenets of the APA Code of Ethics, describe aspirational principals, understand ethical standards, and appreciate the relationships between aspirational principals and enforced standards.
2. Students will be able to identify common key areas of ethical concerns faced by professionals working in the field of psychology and capable of using this information to proactively practice ethics. Thus, students will be aware of what they can do prior to providing a professional service to prepare and ensure that this service will be compliant with the APA standards.
3. Students will be able to identify common key areas of ethical concerns faced by professionals working in the field of psychology and capable of using this information reactively to identify and manage professional and ethical issues.
4. Students will be able to describe and demonstrate knowledge of ethical decision-making strategies for managing reactive professional issues.
5. Students will be able to describe and critically, evaluate current research and professional issues faced by clinicians and researchers as they relate to ethics.
6. Students will be able to describe steps necessary for ensuring ongoing ethical practice in the future.

Psyc 549 Psychological Assessment 2 - Learning Outcomes:

1. The students will demonstrate a theoretical knowledge of intelligence test theory and development.
2. The students will demonstrate knowledge of research and validation of the commonly used assessments in the areas of intelligence, achievement, adaptive behavior, neuropsychological testing and child personality assessment.
3. The student will demonstrate proficiency in administration, scoring, and interpretation of the psychological tests noted.
4. The students will demonstrate integration of knowledge obtained from clinical history, observation and data from multiple tests to form conclusions

Psyc 565 Therapy 3 - Individual and Group Techniques in Clinical Health Psychology

- Learning Outcomes:

1. Overall, students will be able to describe and apply a variety of empirically validated psychotherapeutic modalities for working with groups, couples, and substance abuse populations.
2. Students will be able to describe the theoretical basis for treatment modalities above.
3. Students will be able to engage in treatment planning and able to apply various substance abuse treatment strategies to a diverse patient population.
4. Students will be able to describe the different types of group psychotherapy treatment approaches and identify the most efficacious treatment strategy, as supported by the literature, to various psychological/health related problems.
5. Students will be able to design a psychotherapy group for a selected population including group membership, structure, treatment implementation, and group materials.
6. Students will be able to demonstrate proficiency in the administration of group psychotherapy.
7. Students will be able to describe the basic theories of working with couples.
8. Students will be able to use couples based interventions to successfully plan treatment for couples with a number of psychological/health related problems
9. Students will be able to demonstrate proficiency in applying couples psychotherapy techniques.

Psyc 698 Practicum in Clinical Health Psychology

- Learning Outcomes:

1. Practice skills learned in clinical psychology core courses in a real world environment.
2. Create a therapeutic alliance and demonstrate an adequate comfort level working with assessment/therapy patients.

3. Demonstrate adequate therapy and/or assessment skills and techniques within a clinical environment.
4. Demonstrate familiarity with recent clinical outcome research and empirically supported treatment. Furthermore, students should be able to integrate current research into applied practice.
5. Integrate assessment, theory, and technique into a implementable treatment plan.
6. Prepare proper case documentation and presentations.
7. Provide appropriate feedback to clients, supervisors, and other involved medical professionals
8. Uphold APA ethical code at all times.

## Graduate Health Psychology Program Goals

**1 Research Methods:** To train students to conduct independent research related to topics in psychology, health psychology, and behavioral medicine. This includes being able to conduct a literature search, develop hypothesis, design appropriate methodologies and collect data, statistically analyze data, and interpret the results within a sound theoretical framework.

**2 Program Evaluation:** Students will be able to conduct an evaluation of a clinically oriented program including evaluating program effectiveness and efficiency.

**3 Professional and Ethical Development:** To indoctrinate students into their role and identity as professional healthcare researchers.

**4 Professional Writing:** To train students in professional communication and report writing including the completion of a thesis or project manuscript.

**5 Knowledge of Health Psychology and Behavioral Medicine:** Students will be able to demonstrate basic knowledge of the major concepts and research methods used in health psychology and behavioral medicine. This includes a general understanding of basic theories, research findings, and research methods used within these disciplines.

## Health Psychology Course Matrix

Rev. 6/13/2017

1 = low coverage; 2 = intermediate coverage; 3 = high coverage

		Research Methods	Program Evaluation	Professional & Ethical Development	Professional Report Writing	Knowledge of Health Psych & Bmed
557	Health Psychology	2	1	1	3	3
582	Statistics I	3	2	2	2	1
506	PPOL Program Evaluation	2	3	2	3	1
583	Statistics II	3	2	2	2	1
575	Biological Psychology	2	1	1	2	3
584	Applied Research	3	2	2	3	2
593	Ethics & Professional Issues	2	1	3	2	1
512	HPS Epidemiology	3	1	1	2	3
697	Thesis or Project	3	1	2	3	2

## Health Psychology: Course Learning Outcomes

Psyc 557 Advanced Health Psychology - Learning Outcomes:

6. Students will be able to describe the common illnesses and related basic physiology faced by health psychologists.
7. Students will be able to describe the role of psychology as a discipline integrated into traditional healthcare.
8. Students will be able to describe and apply the biopsychosocial model in assessing disease and treatment.
9. Students will be able to describe the role of psychological and behavioral factors in chronic diseases and the role of psychology in prevention and treatment.
10. Students will be able to identify current issues facing healthcare delivery in the United States.

Psyc 5825 Statistics 1 - Basic Methods and Statistics in Health Psychology

- Learning Outcomes:

9. Students will review and demonstrate mastery of basic statistical concepts, such as descriptive statistics, (central tendency, variability, skew, kurtosis), scales of measurement, frequency distributions, hypothesis testing, etc.
10. Students will understand the strengths and weakness of a variety of research methods (e.g., experimental, quasi-experimental, qualitative), and statistical techniques.
11. Students will become proficient in the use of SPSS.
12. Students will be able to select an appropriate statistical test based on the properties of the data, study design, sample size, and statistical assumptions.
13. Students will understand the difference between parametric and nonparametric statistical analysis and when each may be used.
14. Students will be able to correctly interpret statistical results with an understanding of the limitations of statistical analyses (e.g., Type I and Type II error).
15. Students will be familiar with these statistical techniques: General Linear Model (including ANOVA, ANCOVA, multiple regression), loglinear analysis, reliability testing.
16. Students will be able to effectively articulate the ideas, concepts and methods covered in the course, using a scientific writing style and following the APA style manual.

#### PPOL 506 Advanced Health Psychology -

##### Learning Outcomes:

1. Recognize the breadth of issues and outcomes that program evaluation helps to uncover.
2. Become familiar with the terminology of program evaluation
3. Understand the basic methods and analytical tools evaluators use to measure outcomes.
4. Understand the following major evaluation concepts:
  - a. The planning process for various models of evaluation.
  - b. The setting of standards and criteria necessary for evaluation.
  - c. Assessment measures/data issues in program evaluation (qualitative and quantitative)
  - d. Proper communication of the evaluation.
  - e. How to ingrain practices in the program to make evaluation easier.

5. Compare and contrast different evaluation methods
6. Acquire the skills, through case study, to critically analyze program performance
7. Distinguish between the role of evaluators and stakeholders.

#### Psyc 5835 Statistics 2 - Advanced Methods and Statistics in Health Psychology

- Learning Outcomes:

10. Students will understand the strengths and weakness of a variety of research methods (e.g., experimental, quasi-experimental, qualitative), and statistical techniques.
11. Students will understand the challenges of conducting research in a variety of applied contexts (e.g., program evaluation, epidemiological research).
12. Students will be able to select an appropriate statistical test based on the properties of the data, study design, sample size, and statistical assumptions.
13. Students will understand the difference between parametric and nonparametric statistical analysis and when each may be used.
14. Students will be able to correctly interpret statistical results with an understanding of the limitations of statistical analyses (e.g., Type I and Type II error).
15. Students will be able to critically evaluate the quality of research, using standards such as the reliability and validity of measures, and the validity (internal, external, and ecological) of experimental designs.
16. Students will be familiar with these statistical techniques: MANOVA, MANCOVA, multiple regression, logistic regression, meta-analysis, discriminant function analysis, structural equation modeling.
17. Students will be able to effectively articulate the ideas, concepts and methods covered in the course, using a scientific writing style and following the APA style manual.
18. Students will develop an awareness of the importance of ethics throughout the research process, from data collection with human subjects through manuscript writing and submission of the research to conferences and journals.

#### Psyc 575 Biological Foundations of Health Psychology

- Learning Outcomes:

10. Demonstrate understanding of how brain activity relates to psychological functions
11. Use scientific terminology appropriately in reference to biology and behavior.
12. Demonstrate understanding of the divisions of the brain and nervous system and describe their functions.
13. Describe the structure and functioning of neurons, synapses and how neural impulses are generated.

14. Identify the major neurotransmitters and discuss the impact of each on behavior.
15. Demonstrate understanding of the basics of genetics and discuss their role in behavior. Describe the role of the brain and nervous system in health and disease.
16. Apply the principles of biopsychology to better understand behavior.  
Discuss how biopsychological knowledge can be used to address a wide range of behavioral and physiological problems.
17. Read experimental and review articles in the field of Neuroscience.
18. Write essays and papers on topics of his/her interest using the principles of neuroscience.

#### Psyc 584 Applied Research in Behavioral Medicine

##### - Learning Outcomes:

1. Students will be able to collect, clean, and analyze cardiovascular data including heart rate, blood pressure, and heart rate variability and cardiac output.
2. Students will be able to measure changes in the above variables as they relate to psychosocial factors
3. Students will be able to measure various pain related cognitive and behavioral outcomes (e.g., pain perception, pain catastrophizing, pain behaviors).
4. Students will be able to demonstrate knowledge of research specific issues/concerns related to collection biological materials such as saliva and blood.
5. Students will be able to report/present research findings, based on the data collection methods taught in class.

#### Psyc 593 Professional and Ethical Issues -

##### Learning Outcomes:

7. Students will be able to describe the basic tenets of the APA Code of Ethics, describe aspirational principals, understand ethical standards, and appreciate the relationships between aspirational principals and enforced standards.
8. Students will be able to identify common key areas of ethical concerns faced by professionals working in the field of psychology and capable of using this information to proactively practice ethics. Thus, students will be aware of what they can do prior to providing a professional service to prepare and ensure that this service will be compliant with the APA standards.
9. Students will be able to identify common key areas of ethical concerns faced by professionals working in the field of psychology and capable of using this information reactively to identify and manage professional and ethical issues.
10. Students will be able to describe and demonstrate knowledge of ethical decision-making strategies for managing reactive professional issues.

11. Students will be able to describe and critically, evaluate current research and professional issues faced by clinicians and researchers as they relate to ethics.
12. Students will be able to describe steps necessary for ensuring ongoing ethical practice in the future.

#### Hps 512 Epidemiology

- Learning Outcomes:

1. define and discuss causation, distinguish between causation and association and understand how each are evaluated;
2. be familiar with the sources of epidemiologic data and strengths and limitations of different data sources;
3. be familiar with the basics of descriptive epidemiology;
4. define and calculate the basic mathematical concepts of rates, ratios, odds, and proportions;
5. define and calculate the basic epidemiologic concepts of prevalence, incidence (including both incidence density and cumulative incidence), ratio and difference measures of association, attributable risk percent, population attributable risk;
6. define and understand the following epidemiologic study designs and compare their strengths and limitations: experimental studies, cohort studies, case-control studies, cross-sectional studies, and ecologic studies;
7. assess and choose appropriate study designs to evaluate public health issues;
8. understand the use and misuse of the p value and confidence interval in epidemiology;
9. define and discuss the relationship between random error and systematic error;
10. define and discuss the following sources of bias by study design and how to limit their impact: selection, information, and confounding bias;
11. define and understand the concepts of confounding and effect modification and the mathematical tools used to evaluate them;
12. define, contrast, and apply the concepts of precision, validity and generalizability while reviewing epidemiologic studies;
13. define and calculate sensitivity, specificity, and positive and negative predictive values;
14. be familiar with the ethical issues pertinent to epidemiologic studies;
15. evaluate peer-reviewed epidemiology journal articles;
16. understand the complexities of epidemiologic decisions in public health.

#### Psyc 697 Thesis

- Learning Outcomes:

1. Students will be able to conduct a literature review culminating in demonstrated mastery of the research topic.

2. Students will be able to identify gaps in the existing knowledge base and develop specific hypothesis statements related to the research topic.
3. Students will be able to develop and implement specific methods to test the stated hypotheses.
4. Students will be able to complete an IRB application.
5. Students will demonstrate independence and professionalism in collecting data.
6. Students will be able to statistically analyze the resulting data including statistical test selection and implementation.
7. Students will be able to theoretically conceptualize and explain the meaning of the results found.
8. Students will be able to complete a professional thesis manuscript based on the project undertaken.