

# Psychology

## School of Social Sciences and Professional Studies

### Mission Statement

The Department of Psychology seeks to:

1. Develop understanding of biblical content that has psychological impact and to investigate all psychological concepts in the light of scriptural truth.
2. Provide an analysis of the person from physical, emotional, rational, and spiritual levels.
3. Aid students in their personal adjustment to everyday life through an understanding of human behavior.
4. Prepare students for graduate study in psychology and related areas.
5. Train students desiring to use counseling in vocational ministry and in biblical counseling contexts.
6. Introduce students to the work world through internships, Christian ministries, guest lecturers, and advisement.
7. Provide courses in psychology necessary for teacher certification.

### Personal Requirements

Some students who pursue a major in psychology are interested in providing human services to populations with special needs. Other psychology majors choose to focus on graduate school preparation, including research interests.

### Department Requirements

All psychology majors must obtain a cumulative 2.0 grade point average or higher in their major for graduation.

### Programs of Study

The Department of Psychology offers a Bachelor of Arts degree in the following programs of study:

#### Majors:

- Psychology
- Applied Psychology with emphases in:
  - Child and Family Studies
  - Counseling

#### Minor:

- Psychology

While significant flexibility exists in both the psychology and applied psychology majors, the latter program is particularly useful for students not intending to pursue graduate studies subsequent to earning the bachelor's degree. The applied psychology major provides more in-depth coursework geared specifically toward human service jobs in child and family and counseling fields.

The psychology program is particularly useful to students who wish to earn a minor field of study at Cedarville, earn a double major, or take a sequence of courses in preparation for graduate school.

### Co-Curricular Opportunities

Psychology majors have the opportunity to present papers at the Mid-America Undergraduate Psychology Research Conference and the Ohio Undergraduate Psychology Conference. In addition, the department sponsors the Alpha Psi Omega (APO) Psychology Club for qualifying psychology majors.

### Technical Resources

Psychology students are able to conduct data analysis utilizing the University's SPSS software system. Counseling skill courses involve participation in simulated role-playing experiences. Personality inventories are utilized as part of courses in personality and psychological measurement.



*Professor Chuck Dolph invests his life into students by way of mentoring, discipling, and providing individual guidance in the psychology discipline.*

### Career Opportunities

The Cedarville psychology department has a strong track record in seeing alumni placed in quality graduate psychology and counseling programs. In addition, graduates of the applied psychology major find ready placements in human service agencies after graduation. Careers pursued by psychology majors include:

- Author
- Behavior specialist M/R populations
- Chaplaincy
- Child therapist
- College counselor
- College professor
- Correctional institution counselor
- Counselor in local church
- Crisis pregnancy center director
- Dean of men/women
- Forensic psychologist
- Geriatric center counselor
- Guidance counselor
- Health psychologist in a hospital
- High school psychology teacher
- Industrial psychologist
- Marriage and family therapist
- Missions agency counselor
- Private practice
- Psychologist (clinical)
- School psychologist
- Social agency counselor
- State hospital counselor
- Substance abuse counselor

### Faculty

**Michael Firmin**, *Chairman*: Professor of Psychology. *Education*: B.A., Calvary Bible College, 1983; M.A., Calvary Theological Seminary, 1985; M.S./Ph.D., Bob Jones University, 1987, 1988; M.A., Marywood University, 1992; Ph.D., Syracuse University, 2000. National Certified Counselor (NCC); Licensed Psychologist (OH). At Cedarville since 1998.

**Robert Abbas**, Professor of Psychology. *Education*: B.M., Northwestern College, 1959; B.A., Wartburg College, 1962; M.A., University of Northern Colorado, 1965; Ph.D., University of Missouri at Columbia, 1972. Licensed Psychologist (OH). At Cedarville since 1971.

**Milton Becknell**, Associate Professor of Psychology. *Education*: B.A., University of North Texas, 1973; B.S., Texas Christian University, 1977; M.S., University of Texas at Austin, 1980; Ph.D., University of Southern Mississippi, 1989. Diploma, American Board of Professional Psychology in Clinical Health Psychology (ABPP); Registered Nurse (TX); Licensed Psychologist (OH). At Cedarville since 2004.

**Charles Dolph**, Professor of Psychology. *Education*: B.A., Cedarville University, 1974; M.Ed., Georgia State University, 1982; Ph.D., Georgia State University, 1982. Licensed Psychologist (OH). At Cedarville since 1979.

**Chi-en Hwang**, Professor of Psychology. *Education*: B.S., National Taiwan University, 1977; M.A., University of Iowa, 1980; Ph.D., University of Iowa, 1986. At Cedarville since 1991.

**Carl Ruby**, Vice President for Student Services. *Education*: B.A., Cedarville University, 1983; M.A., Wheaton College, 1988; Ph.D., Ohio University, 1996. At Cedarville since 1989.

**Luke Tse**, Assistant Professor of Psychology. *Education*: B.A., Embry-Riddle Aeronautical University, 1991; M.Div., New Orleans Baptist Theological Seminary, 1995; Ph.D., New Orleans Baptist Theological Seminary, 2000. Licensed Professional Counselor (LPC); Licensed Independent Marriage and Family Therapist (LIMFT); National Certified Counselor (NCC). At Cedarville since 2001.

**Stanley Ballard**, Professor Emeritus of Psychology. *Education*: Graduate, Moody Bible Institute, 1954; Th.B., Baptist Bible College, 1956; Th.M., Dallas Theological Seminary, 1964; M.S., North Texas State University, 1965; Ph.D., North Texas State University, 1971. At Cedarville from 1965-2001.



*Dr. Chi-en Hwang helps students understand how using psychological tests helps with developmental needs.*

# Psychology

## School of Social Sciences and Professional Studies

### Psychology

The **psychology major** provides students with general exposure to the field of psychology in preparation for graduate study in psychology or a number of other human service positions.

*Course requirements involve 40 semester hours including:*

PYCH-1000 Orientation to Psychology .....	1
PYCH-1600 General Psychology .....	3
PYCH-2610 Statistics .....	3
PYCH-2640 Abnormal Psychology .....	3
PYCH-3610 History and Systems of Psychology .....	3
PYCH-3650 Psychology of Learning and Cognition .....	3
PYCH-3660 Fundamentals of Counseling .....	3
PYCH-3690 Social Psychology .....	3
PYCH-3730 Research Methods .....	3
PYCH-3900 Physiological Psychology .....	3
PYCH-4640 Literature Seminar in Psychology .....	3
PYCH-4950 Senior Research Project .....	3
*PYCH-4990 Psychology Internship .....	3

*Select one human development elective from the following:*

PYCH-2700 Child Development .....	3
PYCH-3700 Adolescent Development .....	3
PYCH-3710 Adult Development and Aging .....	3

\*Capstone Course

#### Psychology Major Curriculum Summary

Proficiency Requirements .....	0-5
Psychology Major Requirements .....	40
Other General Education Requirements .....	46-54
Electives .....	42
<b>Total (minimum, not including proficiency) .....</b>	<b>128</b>



Professors such as Dr. Luke Tse prepare students for successful human service careers in secular environments as well as biblical counseling in ministry settings.

A complete description of the General Education Requirements is found on page 18

#### Suggested Four-Year Curriculum for a Major in Psychology

*First year:*

BEGE-1710 Christian Life and Thought .....	3
BEGE-1720 Spiritual Formation .....	3
COM-1100 Fundamentals of Speech .....	3
ENG-1400 Composition .....	3
GSS-1100 Politics and American Culture .....	3
HUM-1400 Introduction to the Humanities .....	3
PEF-1990 Physical Activity and the Christian Life .....	1
PYCH-1000 Orientation to Psychology .....	1
PYCH-1600 General Psychology .....	3
Biology Elective .....	3.5
History Elective .....	3
Physical Education Activity Elective .....	1
Physical Science Elective .....	3.5
<b>Total .....</b>	<b>34</b>

*Second year:*

BEGE-2730 Old Testament Literature .....	3
BEGE-2740 New Testament Literature .....	3
PYCH-2610 Statistics .....	3
PYCH-2640 Abnormal Psychology .....	3
PYCH-3650 Psychology of Learning and Cognition .....	3
PYCH-2700, 3700, or 3710 Human Development Elective .....	3
Humanities/Global Awareness Elective .....	3
Literature Elective .....	3
Electives .....	6
<b>Total .....</b>	<b>30</b>

*Third year:*

BEGE-3750 Christian Worldview Development .....	2
BEGE-3760 Christian Worldview Integration .....	2
PYCH-3660 Fundamentals of Counseling .....	3
PYCH-3690 Social Psychology .....	3
PYCH-3730 Research Methods .....	3
PYCH-3900 Physiological Psychology .....	3
Electives .....	14
<b>Total .....</b>	<b>30</b>

*Fourth year:*

PYCH-3610 History and Systems of Psychology .....	3
PYCH-4640 Literature Seminar in Psychology .....	3
PYCH-4950 Senior Research Project .....	3
PYCH-4990 Psychology Internship .....	3
Electives .....	22
<b>Total .....</b>	<b>34</b>

A complete description of the General Education Requirements is found on page 18

## Applied Psychology

The **applied psychology major** provides students with strong undergraduate preparation in the areas of child and family studies and counseling. Applied psychology majors complete the same core courses as do the general psychology majors.

In addition, students take courses that are useful for pursuing jobs in human service fields after completing their baccalaureate degrees. The applied psychology major may be attractive to students who do not wish to declare a formal minor (other than Bible) and instead wish to complete additional psychology courses as part of their four-year program of study.

Course requirements include 37 semester credits of core psychology courses and an additional 23 credits in their applied emphasis.

<i>Psychology core requirements</i> .....	37
PYCH-1000 Orientation to Psychology .....	1
PYCH-1600 General Psychology .....	3
PYCH-2610 Statistics .....	3
PYCH-2640 Abnormal Psychology .....	3
PYCH-3610 History and Systems of Psychology .....	3
PYCH-3650 Psychology of Learning and Cognition .....	3
PYCH-3660 Fundamentals of Counseling .....	3
PYCH-3690 Social Psychology .....	3
PYCH-3730 Research Methods .....	3
PYCH-3900 Physiological Psychology .....	3
PYCH-4640 Literature Seminar in Psychology .....	3
PYCH-4950 Senior Research Project .....	3
<i>Select one human development elective (that is not required in the chosen emphasis) from the following:</i>	
PYCH-2700 Child Development .....	3
PYCH-3700 Adolescent Development .....	3
PYCH-3710 Adult Development and Aging .....	3

The **child and family studies emphasis** focuses on the development of traits that are commonly found in a healthy family. Healthy emotional and spiritual dimensions are emphasized along with the analysis of factors that lead to dysfunctional behavior and inadequate spiritual development. Course requirements include:

PYCH-2700 Child Development .....	3
PYCH-2750 The Parent and the Child .....	3
PYCH-3700 Adolescent Development .....	3
PYCH-4700 Behavioral Problems in Children .....	3
*PYCH-4990 Internship in Child and Family Studies .....	3
Elective hours in psychology .....	8

The **counseling emphasis** stresses relational skills, healthy growth, rational planning, and decision making involved in helping people of all ages who have personal, social, or spiritual concerns. Course requirements include:

PYCH-3630 Testing and Measurement .....	3
PYCH-3670 Group Dynamics .....	3
PYCH-3710 Adult Development and Aging .....	3
PYCH-4400 Counseling Skills .....	3
*PYCH-4990 Psychology Internship in Counseling .....	3
Elective hours in psychology .....	8

\*Capstone Course

### Suggested Four-Year Curriculum for a Major in Applied Psychology

*First year:*

BEGE-1710 Christian Life and Thought .....	3
BEGE-1720 Spiritual Formation .....	3
COM-1100 Fundamentals of Speech .....	3
ENG-1400 Composition .....	3
GSS-1100 Politics and American Culture .....	3
HUM-1400 Introduction to the Humanities .....	3
PEF-1990 Physical Activity and the Christian Life .....	1
PYCH-1000 Orientation to Psychology .....	1
PYCH-1600 General Psychology .....	3
Biology Elective .....	3.5
History Elective .....	3
Physical Education Activity Elective .....	1
Physical Science Elective .....	3.5
<b>Total</b> .....	<b>34</b>

*Second year:*

BEGE-2730 Old Testament Literature .....	3
BEGE-2740 New Testament Literature .....	3
PYCH-2610 Statistics .....	3
PYCH-2640 Abnormal Psychology .....	3
PYCH-3650 Psychology of Learning and Cognition .....	3
PYCH-2700, 3700, or 3710 Human Development Elective .....	3
Humanities/Global Awareness Elective .....	3
Literature Elective .....	3
Electives .....	6
<b>Total</b> .....	<b>30</b>

*Third year:*

BEGE-3750 Christian Worldview Development .....	2
BEGE-3760 Christian Worldview Integration .....	2
PYCH-3660 Fundamentals of Counseling .....	3
PYCH-3690 Social Psychology .....	3
PYCH-3730 Research Methods .....	3
PYCH-3900 Physiological Psychology .....	3
Applied Psychology Concentration Courses .....	14
<b>Total</b> .....	<b>30</b>

*Fourth year:*

PYCH-3610 History and Systems of Psychology .....	3
PYCH-4640 Literature Seminar in Psychology .....	3
PYCH-4950 Senior Research Project .....	3
PYCH-4990 Psychology Internship .....	3
Applied Psychology Concentration Courses .....	6
Electives .....	16
<b>Total</b> .....	<b>34</b>

### Applied Psychology Major Curriculum Summary

Proficiency Requirements .....	0-5
Other General Education Requirements .....	46-54
Applied Psychology Requirements .....	60
Electives .....	22
<b>Total (minimum, not including proficiency)</b> .....	<b>128</b>

# Psychology

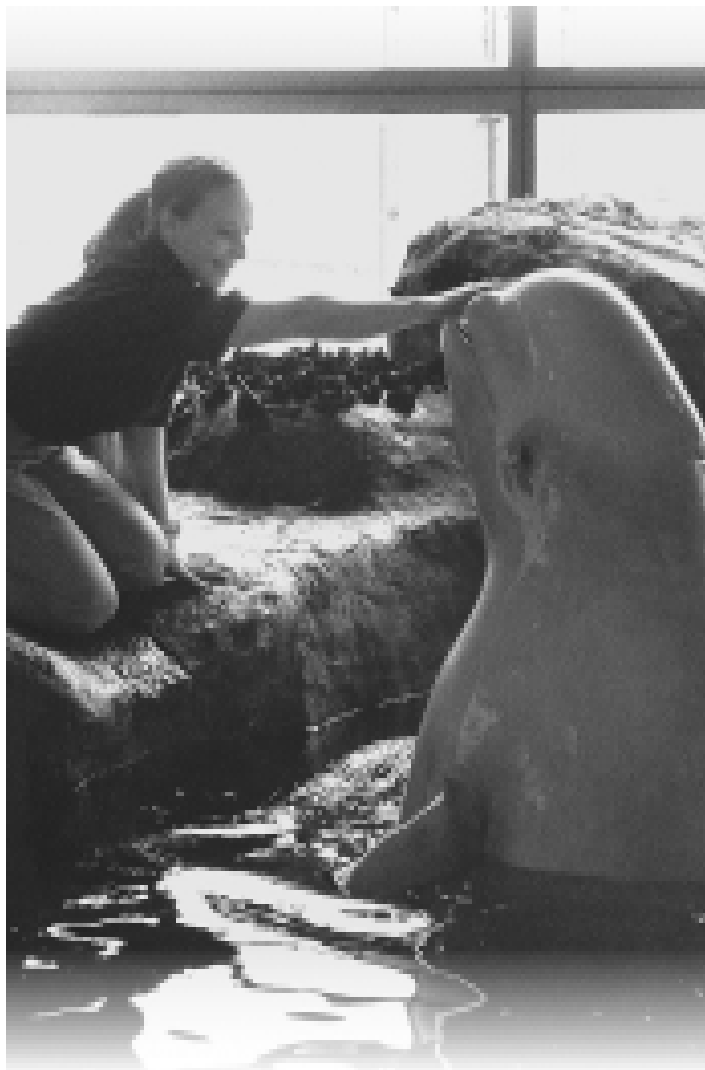
## School of Social Sciences and Professional Studies

### Minor

The **minor in psychology** helps students who find that additional coursework in psychology will support their major field of study. In particular, understanding people and human dynamics and applying the scientific method to problem-solving strengthens students' vocational preparation and ultimate job success. The psychology minor is constructed to allow maximum flexibility across a large cross-section of majors at Cedarville University.

Course requirements involve 16 semester hours including:

PYCH-1600 General Psychology .....	3
PYCH-2640 Abnormal Psychology .....	3
Electives in psychology .....	10



Psychology internships are completed in a variety of contexts such as the picture above, showing Jennifer Brink working for a semester at the nation's leading animal training center in Chicago.

### Course Descriptions

#### **PYCH-1000 Orientation to Psychology**–Fa,Sp **1 hour**

Acquaints the psychology major with various areas and issues in the field of psychology. Included will be its specialties, graduate school information, vocational opportunities, and legal and ethical matters. Should be taken during the freshman year.

#### **PYCH-1600 General Psychology**–Fa,Sp **3 hours**

Designed to provide a survey of modern scientific psychology. The course content centers on such topics as the foundations of psychology, development over the life span, how we experience the world, learning and thinking, motivation and emotion, personality, and social behavior. (Fee: \$5)

#### **PYCH-1800 Cross Cultural Psychology**–Sp **3 hours**

A survey course designed to make students sensitive to the impact of culture on life.

#### **PYCH-2600 Human Development: Life Span**–Sp **3 hours**

An analysis of the physiological, social, and psychological development of the individual from conception through the total life span.

#### **PYCH-2610 Statistics**–Fa,Sp,Su **3 hours**

Designed to provide an elementary coverage of descriptive and sampling statistics commonly used in psychology. Includes problems of measurement, measures of central tendency and dispersion, linear correlation, prediction, and simple tests of significance. (Fee: \$5)

#### **PYCH-2640 Abnormal Psychology**–Fa,Sp **3 hours**

Focus upon etiology, symptomatology, and prognosis of psychological disturbance. *Prerequisite: PYCH-1600 General Psychology.*

#### **PYCH-2700 Child Development**–Fa **3 hours**

A study of the physiological, psychological, and spiritual growth of the child from conception to the preadolescent level. Developmental research on family systems theory, the dynamic of roles and relationships within families and communities, and the influence of cultural practice and beliefs on family systems is emphasized.

#### **PYCH-2750 The Parent and the Child**–Sp **3 hours**

Designed to explore the basic value requisites for effective family living. Basic concepts such as love, communication, and parental modeling will be stressed.

#### **PYCH-2800 Addictions**–Fa,Sp **3 hours**

This course examines a variety of addictions, including alcohol, drugs, food, sex, gambling, computer games/Internet, and codependence. The course will focus on symptoms, causes, treatments, and impact on society. Students will be challenged to develop a biblical perspective.

#### **PYCH-2840 Concepts of Chemical Dependency**–Sp **3 hours**

Available to all students. Designed to investigate the concept of chemical dependency. Course emphasis is on the various drugs of abuse and methods of assessment, intervention, and treatment.

#### **PYCH-2850 Psychology of Adjustment**–Fa,Sp **3 hours**

The systematic process of applying psychological principles to everyday issues of human life. Biblical perspectives are integrated into problem-solving paradigms for the development of a psychologically healthy personality.

#### **PYCH-3380 Health Psychology**–Fa,Su **3 hours**

Designed to investigate the research and theory of many disciplines to understand how psychology and health are interconnected. The focus is on the major topics and problem areas in health psychology. (Fee: \$5)

- PYCH-3610 History and Systems of Psychology**—Fa,Sp **3 hours**  
Major trends in the development of psychology from its beginning to the present. Emphasis is placed upon contemporary theory. *Prerequisite:* PYCH-1600 General Psychology.
- PYCH-3630 Testing and Measurement**—Fa **3 hours**  
Emphasis on measurement theory and its applications, including concepts of validity, reliability, and test construction and selection. *Prerequisite:* PYCH-2610 Statistics. (Fee: \$20)
- PYCH-3640 Industrial/Organizational Psychology**—Fa,Sp **3 hours**  
Psychology applied to the work world. Emphasis is on methodology and activities of industrial/organizational psychologists. *Prerequisite:* PYCH-1600 General Psychology or permission of instructor.
- PYCH-3650 Psychology of Learning and Cognition**—Fa,Sp **3 hours**  
Concepts and theories of learning and cognition with emphasis placed on personal applications of accepted procedures. *Prerequisite:* PYCH-1600 General Psychology.
- PYCH-3660 Fundamentals of Counseling**—Fa,Sp **3 hours**  
An introductory course emphasizing the underlying philosophies, current theories, and accepted procedures of counseling. *Prerequisite:* PYCH-1600 General Psychology.
- PYCH-3690 Social Psychology**—Fa,Sp **3 hours**  
The study of the behavior of individuals as it is influenced by past and/or present interactions with social factors. *Prerequisite:* PYCH-1600 General Psychology.
- PYCH-3700 Adolescent Development**—Fa **3 hours**  
Recent research dealing with adolescents will be emphasized. Emphasis is placed on the interaction of cultural, social, and personal family variables. Spiritual variables are integrated into the developmental process. *Prerequisite:* PYCH-1600 General Psychology.
- PYCH-3710 Adult Development and Aging**—Sp **3 hours**  
The study of physical, psychological, social, and spiritual development and experience in the adult years. *Prerequisite:* PYCH-1600 General Psychology.
- PYCH-3720 Psychology of Personality**—Fa,Sp **3 hours**  
Contemporary theories of the development, organization, and dynamics of personality. (Fee: \$15)
- PYCH-3730 Research Methods**—Fa,Sp **3 hours**  
An introduction to methods utilized in psychological research; emphasis upon experimental methodology and research design. *Prerequisite:* PYCH-2610 Statistics or permission of instructor. (Fee: \$5)
- PYCH-3750 Psychological Testing**—Fa,Sp **3 hours**  
A survey of instruments frequently utilized in psychology. Assessments include intellectual, personality, and vocational interest inventories. Students have opportunities for self-assessment and are introduced to report writing and ethical principles of psychological testing. *Prerequisite:* PYCH-1600 General Psychology. (Fee: \$20)
- PYCH-3900 Physiological Psychology**—Fa,Sp **3 hours**  
Explores the physiological, biological, and anatomical mechanisms responsible for behavior. *Prerequisite:* PYCH-1600 General Psychology.
- PYCH-4400 Counseling Skills**—Fa,Sp **3 hours**  
Emphasis is on assisting individuals in ways of dealing with solving or transcending their problem situations. The methods and skills of helping others are investigated.
- PYCH-4640 Literature Seminar in Psychology**—Fa,Su **3 hours**  
Reports and discussions of research literature in psychology. Required of all psychology majors during their senior year. *Prerequisite:* permission of instructor.
- PYCH-4650 Special Topics Seminar** **1-3 hours**  
Various topics to be offered as interest demands. Available to students with special interests in psychology. *Prerequisite:* permission of instructor.
- PYCH-4700 Behavioral Problems in Children**—Fa **3 hours**  
An in-depth analysis of the effects of genetic, family, and environmental factors on the developmental patterns of children. A special emphasis will be placed on behavioral disorders of dysfunctional families.
- PYCH-4950 Senior Research Project**—Fa,Sp **3 hours**  
Provides opportunities for students to conduct an independent research project on a topic of interest and prepare a publishable paper under the supervision of an individual faculty advisor.
- PYCH-4960 Independent Study in Psychology** **1-3 hours**  
Independent research carried out by the advanced psychology student in an area of interest and usefulness to the student. *Prerequisite:* permission of instructor.
- PYCH-4990 Psychology Internship**—Fa,Sp,Su **1-9 hours**  
Junior and senior psychology majors may, with approval of the department, engage in psychological activity at a human service setting. One member of the psychology department will supervise the student's internship. The department will determine the number of credit hours that will be given for individual work experience. Repeatable to nine hours. Capstone course. *Prerequisite:* permission of instructor. (Fee: \$20)



Psychology majors are challenged to conduct independent research and produce publishable works with the guidance of faculty advisors.