

# Research

F O U R T H E D I T I O N

## Instructor's Resource Manual



# Academy of Nutrition and Dietetics

Academy of Nutrition and Dietetics  
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*Research: Successful Approaches in Nutrition and Dietetics*, Fourth Edition—Instructor’s Resource Manual

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# Introduction

This Instructor’s Resource Manual was designed to complement the fourth edition of *Research: Successful Approaches in Nutrition and Dietetics*, which may be used as an upper-level undergraduate or graduate-level dietetics research methods course textbook. The textbook and manual are organized into 30 chapters that span 10 major sections. This manual was developed by dietetics educators and researchers to assist course instructors with content delivery and assessment.

## RESEARCH COMPETENCIES AND PERFORMANCE INDICATORS

This manual may be used by dietetics program faculty and course instructors to develop competency-based course plans for nutrition and dietetics research courses. This manual includes a variety of learning activities that may be used to conduct both *formative* evaluations (ie, those that promote and evaluate student learning) and *summative* evaluations (ie, those that evaluate student learning following completion of a chapter/section). These evaluations may be used to assess student achievement on required dietetics education competencies developed by the accrediting agency for dietetics programs, Accreditation Council for Education in Nutrition and Dietetics (ACEND).

ACEND competencies (2017) most closely related to research for Future Education Model Bachelor’s and Graduate Degree programs are listed in **Appendix A** and **Appendix B**, respectively. Learning activities that may be used to evaluate student achievement of competencies are provided. Multiple learning activities are listed for most competencies, which will allow instructors to select activities most appropriate for their course. This manual may be used in upper-level undergraduate or graduate-level nutrition research courses; examples of both graduate- and undergraduate-level learning activities are provided.

## LEARNING ACTIVITIES

Each chapter in this manual includes chapter learning objectives, five to seven quiz questions (with correct responses), and two to three class discussion topics.

Instructors could use the chapter quizzes in two ways. First, quizzes could be used as a readiness assessment test (RAT) at the beginning of a class period to assess student knowledge and comprehension of the reading material after students have completed assigned chapter readings prior to attending class. In this way, the RAT can be used as an in-class learning activity, during which RAT questions and answers are discussed (ie, formative assessment). This is consistent with a “flipped classroom” learning approach. Alternatively, the quizzes could be used to assess student knowledge following completion of each chapter (as a summative evaluation). Each section in this manual includes a student assignment, which may be used as a more extensive summative evaluation of student knowledge and application.

## POWERPOINT SLIDES

Slides and instructor notes are provided for each book chapter. Each slide set follows the sequence of content delivered in each chapter and concludes with a summary of key points. Slides and accompanying notes may be customized to fit course needs.

## HANDOUTS

Handouts with the quiz questions and section assignments are included in separate Microsoft Word documents. These files can be customized to fit course needs.

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