

Course Catalog



TEI: THE EVALUATORS' INSTITUTE
CLAREMONT EVALUATION CENTER

 Claremont Graduate University

Delivering
capacity
building that
evaluators
need to
succeed.

Table of Contents

Evaluation Foundation Classes	2	Mixed-Methods Evaluations: Integrating Qualitative11 and Quantitative Approaches
Applied Measurement for Evaluation.....	2	Policy Analysis, Implementation, and Evaluation.....11
Basics of Program Evaluation.....	2	Policy Evaluation and Analysis.....11
<i>Formerly taught as Foundations of Evaluation: Theory, Method, and Practice</i>		Resource Evaluation and Systems Change.....12
Ethics in Practice: A Global Perspective.....	3	Utilization-Focused Evaluation12
Evaluation Research Methods: A Survey of	3	
Quantitative and Qualitative Approaches		Using Evaluation—Strategies and Capacity
Informing Practice Using Evaluation Models and Theories ...	3	13
M&E: Frameworks and Fundamentals.....	4	Culture and Evaluation13
Professional Standards and Principles for	4	Effective Reporting Strategies for Evaluators.....13
Ethical Evaluation Practice		How to Build a Successful Evaluation Consulting Practice...13
Working With Evaluation Stakeholders.....	5	Implementation Analysis for Feedback.....14 on Program Progress and Results
		Making Evaluation Data Actionable14
Evaluation Theory, Design, and Methods	5	<i>Formerly taught as “Actionable” Data for Complex Service Systems: Benchmarking/Standards Setting</i>
Case Studies in Evaluation.....	5	Presenting Data Effectively: Practical Methods14 for Improving Evaluation Communication
Conducting Successful Evaluation Surveys	5	Project Management and Oversight for Evaluators15 <i>Formerly taught as Management for Evaluators and Those With Oversight Responsibility</i>
<i>Formerly taught as Design and Administration of Internet, Mail, and Mixed-Mode Surveys</i>		Strategy Mapping15
Designing, Managing, and Analyzing	6	Using Program Evaluation in Nonprofit Environments16 <i>Formerly taught as Using Program Evaluation: Foundation Program Officers/Nonprofit Executives</i>
Multi-Site Evaluations		
Outcome and Impact Assessment	6	Analytic Approaches
Qualitative Evaluation Methods.....	6	16
Sampling: Basic Methods for Probability	7	Applied Regression Analysis for Evaluators16 (computer lab)
and Non-Probability Samples		Applied Statistics for Evaluators (computer lab)16
Using Non-Experimental Designs for Impact Evaluation.....	7	Hierarchical Linear Models.....17
Using Program Theory and Logic Models in Evaluation.....	7	Introduction to Cost-Benefit and17 Cost-Effectiveness Analysis
		Intermediate Cost-Benefit and.....17 Cost-Effectiveness Analysis
Evaluation Approaches and Techniques	8	Needs Assessment.....18
Comparative Effectiveness: Exploring Alternatives to Randomized Clinical Trials	8	Practical Meta-Analysis: Summarizing Results.....18 Across Studies (computer lab)
Developmental Evaluation: Systems and Complexity	8	Qualitative Data Analysis.....18
<i>Formerly taught as Alternative Evaluation Designs: Implications From Systems Thinking and Complexity Theory</i>		Intermediate Qualitative Data Analysis19
Evaluability Assessment	9	
Evaluating Training Programs: Frameworks	9	
and Fundamentals		
<i>Formerly taught as Evaluating Training Programs</i>		
Internal Evaluation: Building Organizations From Within.....	9	
Linking Evaluation Questions to Analysis Techniques.....	10	
Measuring Performance and Managing for Results in	10	
Government and Nonprofit Organizations		
<i>Formerly taught as Performance Measurement for Government and Nonprofit Organizations</i>		

TEI Course Descriptions

Evaluation Foundations¹

Applied Measurement for Evaluation

Instructor: Ann M. Doucette, PhD, TEI Special Projects Director, Research Professor, Claremont Graduate University

Description: Successful evaluation depends on our ability to generate evidence attesting to the feasibility, relevance, and/or effectiveness of the interventions, services, or products we study. While theory guides our designs and how we organize our work, it is measurement that provides the evidence we use in making judgments about the quality of what we evaluate. Measurement, whether it results from self-report survey, interview/focus groups, observation, document review, or administrative data, must be systematic, replicable, interpretable, reliable, and valid. While hard sciences such as physics and engineering have advanced precise and accurate measurement (i.e., weigh, length, mass, volume), the measurement used in evaluation studies is often imprecise and characterized by considerable error. The quality of the inferences made in evaluation studies is directly related to the quality of the measurement on which we base our judgments. Judgments attesting to the ineffective interventions may be flawed—the reflection of measures that are imprecise and not sensitive to the characteristics we chose to evaluate. Evaluation attempts to compensate for imprecise measurement with increasingly sophisticated statistical procedures to manipulate data. The emphasis on statistical analysis all too often obscures the important characteristics of the measures we choose. This class content will cover:

Assessing measurement precision: Examining the precision of measures in relationship to the degree of accuracy that is needed for what is being evaluated. Issues to be addressed include: measurement/item bias, the sensitivity of measures in terms of developmental and cultural issues, scientific soundness (reliability, validity, error, etc.), and the ability of the measure to detect change over time.

Quantification: Measurement is essentially assigning numbers to what is observed (direct and inferential). Decisions about how we quantify observations and the implications these decisions have for using the data resulting from the measures, as well as for the objectivity and certainty we bring to the judgment made in our evaluations will be examined. This section of the course will focus on the quality of response options/coding categories—do response options/coding categories segment the respondent sample in meaningful and useful ways?

Issues and considerations—using existing measures versus developing your own measures: What to look for and how

¹ Required for Certificate of Evaluation Practice

to assess whether existing measures are suitable for your evaluation project will be examined. Issues associated with the development and use of new measures will be addressed in terms of how to establish sound psychometric properties, and what cautionary statements should accompany interpretation and evaluation findings using these new measures.

Criteria for choosing measures: Assessing the adequacy of measures in terms of the characteristics of measurement—choosing measures that fit your evaluation theory and evaluation focus (exploration, needs assessment, level of implementation, process, impact and outcome). Measurement feasibility, practicability, and relevance will be examined. Various measurement techniques will be examined in terms of precision and adequacy, as well as the implications of using screening, broad-range, and peaked tests.

Error—influences on measurement precision: The characteristics of various measurement techniques, assessment conditions (setting, respondent interest, etc.), and evaluator characteristics will be addressed.

Participants will be provided with a copy of the text *Scale Development: Theory and Applications* by Robert F. DeVellis (Sage 2016).

Basics of Program Evaluation

Formerly taught as *Foundations of Evaluation: Theory, Method, and Practice*

Instructor: Arnold Love, PhD, Internationally recognized independent consultant based in Toronto, Canada

Description: With an emphasis on constructing a sound foundational knowledge base, this course is designed to provide an overview of both past and contemporary perspectives on evaluation theory, method, and practice. Course topics include, but are not limited to, basic evaluation concepts and definitions; evaluation as a cognitive activity; the view of evaluation as a transdiscipline; the general and working logic of evaluation; an overview of the history of the field; distinctions between evaluation and basic and applied social science research; evaluation-specific methods (e.g., needs assessment, stakeholder analysis, identifying evaluative criteria, standard setting); reasons and motives for conducting evaluation; central types and purposes of evaluation; objectivity, bias, and validity; the function of program theory in evaluation; evaluator roles; core competencies required for conducting high quality, professional evaluation; audiences and users of evaluation; alternative evaluation models and approaches; the political nature of evaluation and its implications for practice; professional standards and codes

of conduct; and emerging and enduring issues in evaluation theory, method, and practice. Although the major focus of the course is program evaluation in multiple settings (e.g., education, criminal justice, health and medicine, human and social services, international development, science and technology), examples from personnel evaluation, policy analysis, and product evaluation also will be used to illustrate foundational concepts. The course will conclude with how to plan, design, and conduct high-quality evaluations using a contingency-based and situational approach, including evaluation purposes, resources (e.g., time, budget, expertise), uses and users, competing demands, and other relevant contingencies. Throughout the course, active learning is emphasized and, therefore, the instructional format consists of instructor-led presentations, discussions, and application exercises. Audiences for this course include those who have familiarity with social science research but are unfamiliar with evaluation, and evaluators who wish to review current theories, methods, and practices.

Prerequisites: Basic knowledge of social science research methods.

Ethics in Practice: A Global Perspective

Instructor: Michael Quinn Patton, PhD, Founder and Director, Utilization-Focused Evaluation; independent evaluation consultant

Description: The course will compare and contrast various ethical guidance statements for evaluators from around the world, including the OECD/DAC Quality Standards for Development Evaluation, the Joint Committee Standards, and ethical guidance adopted by national evaluation associations. The course will examine overarching ethical frameworks for evaluation: Universal Declaration of Human Rights; Sustainability; the Paris Declaration Principles on Development Aid; and principles for conducting research with indigenous people.

Professional evaluation associations and networks around the world have adopted ethical guidelines, standards, and principles. These recognize that evaluators can and do face a variety of daunting ethical challenges. The political, cultural, and contextual variations that evaluators face mean that judgment must be exercised about what is appropriate in a particular situation. Few rules can be applied. Rather, ethical guidelines, standards, and principles have to be interpreted. Tough judgment calls must be made about what to do. This course is about those interpretation and judgment processes. Ethical judgments apply at every stage of evaluation, in initial interactions with stakeholders, in design decisions, throughout data collection, and in analyzing, reporting, and facilitating use of findings. Much of the course will be examining specific ethical challenges commonly reported among evaluators working internationally. Participants will also have an opportunity to share and discuss their own experiences in dealing with ethical challenges.

The course is based on the TEI premise that ethical practice is one of the emergent competencies in evaluation: competent evaluators are ethical evaluators. The outcomes of the course are: participants will know the ethical standards of evaluation as an international profession; have increased confidence that they can wisely, astutely, and effectively apply ethical standards in their own practice; and have a deeper sense of professionalism as a result of being more deeply grounded in the ethical foundations of evaluation.

Evaluation Research Methods: A Survey of Quantitative and Qualitative Approaches

Instructor: David B. Wilson, PhD, Professor in the Department of Criminology, Law & Society at George Mason University

Description: This course will introduce a range of basic quantitative and qualitative social science research methods that are applicable to the evaluation of various programs. This is a foundational course that introduces methods developed more fully in other TEI courses and serves as a critical course designed to ensure a basic familiarity with a range of social science research methods and concepts.

Topics will include observational and qualitative methods, survey and interview (structured and unstructured) techniques, experimental and quasi-experimental designs, and sampling methods. This course is for those who want to update their existing knowledge and skills and will serve as an introduction for those new to the topic.

Text provided: Creswell, J. *Research Design* (Sage, 2014).

Informing Practice Using Evaluation Models and Theories

Instructor: Melvin M. Mark, PhD, Professor of Psychology at Pennsylvania State University

Description: Evaluators who are not aware of the contemporary and historical aspects of the profession “are doomed to repeat past mistakes and, equally debilitating, will fail to sustain and build on past successes.” Madaus, Scriven, and Stufflebeam (1983).

“Evaluation theories are like military strategy and tactics; methods are like military weapons and logistics. The good commander needs to know strategy and tactics to deploy weapons properly or to organize logistics in different situations. The good evaluator needs theories for the same reasons in choosing and deploying methods.” Shadish, Cook, and Leviton (1991).

These quotes from Madaus et al. and Shadish et al. provide the perfect rationale for why the serious evaluator should be concerned with models and theories of evaluation. The primary purpose of this class is to overview major streams of evaluation theories (or models) and to consider their implications for practice. Topics include: (1) why evaluation theories matter, (2) frameworks for classifying different

theories, (3) in-depth examination of 4-6 major theories, (4) identification of key issues on which evaluation theories and models differ, (5) benefits and risks of relying heavily on any one theory, and (6) tools and skills that can help you in picking and choosing from different theoretical perspectives in planning an evaluation in a specific context. The overarching theme will be on practice implications—that is, on what difference it would make for practice to follow one theory or some other.

Theories to be discussed will be ones that have had a significant impact on the evaluation field, that offer perspectives with major implications for practice, and that represent important and different streams of theory and practice. Case examples from the past will be used to illustrate key aspects of each theory's approach to practice.

Participants will be asked to use the theories to question their own and others' practices and to consider what characteristics of evaluations will help increase their potential for use. Each participant will receive Marvin Alkin's *Evaluation Roots* (Sage 2013) and other materials.

The instructor's assumption will be that most people attending the session have some general familiarity with the work of a few evaluation theorists, but that most will not themselves be scholars of evaluation theory. At the same time, the course should be useful, whatever one's level of familiarity with evaluation theory.

M&E: Frameworks and Fundamentals

Instructor: Ann M. Doucette, PhD, TEI Special Projects Director, Research Professor, Claremont Graduate University

Description: The overall goal of Monitoring and Evaluation (M&E) is the assessment of program progress to optimize outcome and impact—program results. While M&E components overlap, there are distinct characteristics of each. Monitoring activities systemically observe (formal and informal) assumed indicators of favorable results, while evaluation activities build on monitoring indicator data to assess intervention/program effectiveness, the adequacy of program impact pathways, likelihood of program sustainability, the presence of program strengths and weaknesses, the value, merit and worth of the initiative, and the like. The increased emphasis on effectively managing toward favorable results demands a more comprehensive M&E evaluation approach in order to identify whether programs are favorably on track or whether improved program strategies and mid-course corrections are needed.

The two-day, interactive course will cover the following:

- M&E introduction and overview
- Defining the purpose and scope of M&E
- Engaging stakeholders and establishing and evaluative climate
 - The role and effect of partnership and boundary spanners, policy, and advocacy
- Identifying and supporting needed capabilities

- M&E frameworks—agreement on M&E targets
 - Performance and results-based M&E approaches
- Connecting program design and M&E frameworks
 - Comparisons—Is a counterfactual necessary?
 - Contribution versus attribution
- Identification of key performance indicators (KPIs)
 - Addressing uncertainties and complexity
- Data: collection and methods
 - Establishing indicator baselines (addressing the challenges of baseline estimates)
 - What data exists? What data/information needs to be collected?
- Measuring progress and success—contextualizing outcomes and setting targets
 - Time to expectancy—what can be achieved by the program?
- Using and reporting M&E findings
- Sustaining M&E culture

The course focuses on practical application. Course participants will have a comprehensive understanding of M&E frameworks and fundamentals, M&E tools, and practice approaches. Case examples will be used to illustrate the M&E process. Course participants are encouraged to submit their own case examples, prior to the course for inclusion in the course discussion. The course is purposefully geared toward evaluators working in developing and developed countries; national and international agencies, organizations, and NGOs; and, national, state, provincial, and county governments. Familiarity with evaluation is helpful, but not required.

Professional Standards and Principles for Ethical Evaluation Practice

Instructor: Michael Morris, PhD, Professor of Psychology at the University of New Haven

Description: Participants will explore the ethical issues that can arise at various stages of the evaluation process, from entry/contracting all the way to the utilization of findings by stakeholders. Strategies for preventing ethical problems, as well for dealing with them once they have arisen, will be addressed. Case vignettes will be used throughout the course to provide participants with an opportunity to brainstorm such strategies, and participants will have a chance to share their own ethical challenges in evaluation with others. This course will also focus on the application of the American Evaluation Association's Guiding Principles for Evaluators and the Joint Committee's Program Evaluation Standards to the ethical responsibilities and challenges that evaluators encounter in their work.

The course is based on the TEI premise that ethical practice is a core competency in evaluation: competent evaluators are ethical evaluators. Participants should emerge from the course with an enhanced understanding of how the standards and principles that inform the professional practice of evaluation can increase their chances of “doing the (ethically) right thing”

when conducting evaluations in the field. Participants should also be better prepared to interact with stakeholders in a fashion that lessens the likelihood that the latter will engage in behaviors that lead to ethical difficulties.

Working With Evaluation Stakeholders

Instructor: John Bryson, PhD, McKnight Presidential Professor of Planning & Public Affairs, Hubert H. Humphrey Institute of Public Affairs, University of Minnesota, Minneapolis

Description: Working with stakeholders is a fact of life for evaluators. That interaction can be productive and beneficial to evaluation studies that inform decisions and produce positive outcomes for decision makers and program recipients. Or that interaction can be draining and conflictual for both the evaluator and the stakeholders and lead to studies that are misguided, cost too much, take too long, never get used, or never get done at all. So this is an incredibly important topic for evaluators to explore. This course focuses on strategies and techniques to identify stakeholders who can and will be most beneficial for the achievement of study goals and how to achieve a productive working relationship with them. Stakeholder characteristics like knowledge of the program, power and ability to influence, willingness to participate, etc., will be analyzed, and strategies and techniques are presented to successfully engage stakeholders for effective collaboration. Detailed course materials, case examples, and readings are provided to illuminate course content and extend its long-term usefulness.

Evaluation Theory, Design, and Methods

Case Studies in Evaluation

Instructor: Delwyn Goodrick, PhD, Evaluation practitioner/psychologist, Melbourne, Australia

Description: Case study approaches are widely used in program evaluation. They facilitate an understanding of the way in which context mediates the influence of program and project interventions. While case study designs are often adopted to describe or depict program processes, their capacity to illuminate depth and detail can also contribute to an understanding of the mechanisms responsible for program outcomes.

The literature on case studies is impressive, but there remains tension in perspectives about what constitutes good case study practice in evaluation. This leads to substantive differences in the way case studies are conceived and practiced within the evaluation profession. This workshop aims to disentangle the discussions and debate, and highlight the central principles critical to effective case study practice and reporting.

This two-day workshop will explore case study design, analysis, and representation. The workshop will address case

study topics through brief lecture presentation, small group discussion, and workshop activities with realistic case study scenarios. Participants will be encouraged to examine the conceptual underpinnings, defining features, and practices involved in doing case studies in evaluation contexts. Discussion of the ethical principles underpinning case studies will be integrated throughout the workshop.

Specific topics to be addressed over the two days include:

- The utility of case studies in evaluation
- Circumstances in which case studies may not be appropriate
- Evaluation questions that are suitable for a case study approach
- Selecting the unit of analysis in case study
- Design frameworks in case studies—single and multiple case study; the intrinsic and instrumental case
- The use of mixed methods in case study approaches—sequential and concurrent designs
- Developing case study protocols and case study guides
- Analyzing case study materials—within case and cross-case analysis, matrix and template displays that facilitate analysis
- Principles and protocols for effective teamwork in multiple case study approaches
- Transferability/generalisability of case studies
- Validity and trustworthiness of case studies
- Synthesizing case materials
- Issues of representation of the case and cases in reporting

Detailed course notes will be provided to all participants and practice examples referenced over the two days. The text provided and used in the course is *Qualitative Data Analysis: Practical Strategies* (Sage 2013) by P. Bazeley.

Conducting Successful Evaluation Surveys

Formerly taught as Design and Administration of Internet, Mail, and Mixed-Mode Surveys

Instructor: Jolene D. Smyth, PhD, Associate Professor in the Department of Sociology at the University of Nebraska-Lincoln, Director of the Bureau of Sociological Research

Description: The success of many evaluation projects depends on the quality of survey data collected. In the last decade, sample members have become increasingly reluctant to respond, especially in evaluation contexts. In response to these challenges and to technological innovation, methods for doing surveys are changing rapidly. This course will provide new and cutting-edge information about best practices for designing and conducting internet, mail, and mixed-mode surveys.

Students will gain an understanding of the multiple sources of survey error and how to identify and fix commonly occurring survey issues. The course will cover writing questions; visual design of questions (drawing on concepts from the vision sciences); putting individual questions together into a formatted questionnaire; designing web surveys; designing for multiple modes; and fielding surveys and encouraging response by mail, web, or in a mixed-mode design.

The course is made up of a mixture of PowerPoint presentation, discussion, and activities built around real-world survey examples and case studies. Participants will apply what they are learning in activities and will have ample opportunity to ask questions during the course (or during breaks) and to discuss the survey challenges they face with the instructor and other participants. Participants will receive a copy of course slides and of the text *Internet, Mail, and Mixed-Mode Surveys: The Tailored Design Method* (4th edition, 2014) by Don A. Dillman, Jolene D. Smyth, and Leah Melani Christian.

Designing, Managing, and Analyzing Multi-Site Evaluations

Instructor: Debra J. Rog, PhD, TEI Associate Director of Faculty Affairs; Vice President, Westat Inc.; President, The Rockville Institute

Description: Guidance on how to carry out multi-site evaluations is scarce. What is available tends to focus on quantitative data collection and analysis and usually treats diverse sites in a uniform manner. This course will present instruction on designing, managing, and analyzing multi-site studies and will focus on the differences that are required due to the specifics of the situation—e.g., central evaluator control vs. interactive collaboration; driven by research vs. program interests; planned and prospective vs. retrospective; varied vs. standardized sites; exploratory vs. confirmatory purpose; and data that are exclusively quantitative vs. qualitative vs. mixture. Topics include stakeholder involvement, collaborative design, maintaining integrity/quality in data, monitoring and technical assistance, data submission, communication and group process, cross-site synthesis and analysis, and cross-site reporting and dissemination. Practical strategies learned through first-hand experience as well as from review of other studies will be shared. Teaching will include large- and small-group discussions and students will work together on several problems. Detailed course materials are provided.

Prerequisites: Understanding of evaluation and research design.

Outcome and Impact Assessment

Instructor: Mark W. Lipsey, PhD, Director of the Peabody Research Institute, Vanderbilt University

Description: Valid assessment of the outcomes or impact of a social program is among the most challenging evaluation tasks, but also one of the most important. This course will review monitoring and tracking approaches to assessing outcomes as well as the experimental and quasi-experimental methods that are the foundation for contemporary impact evaluation. Attention will also be given to issues related to the measurement of outcomes, ensuring detection of meaningful program effects, and interpreting the magnitude of effects. Emphasis will mainly be on the logic of outcome evaluation and the conceptual and methodological nature of the approaches, including research design and associated analysis issues. Nonetheless, some familiarity with social science methods and statistical analysis is necessary to effectively engage the topics covered in this course.

Prerequisites: At least some background in social science methods and statistical analysis or direct experience with outcome measurement and impact assessment designs.

Qualitative Evaluation Methods

Instructor: Michael Quinn Patton, PhD, Founder and Director, Utilization-Focused Evaluation; independent evaluation consultant

Description: Qualitative inquiries use in-depth interviews, focus groups, observational methods, document analyses, and case studies to provide rich descriptions of people, programs, and community processes. To be credible and useful, the unique sampling, design, and analysis approaches of qualitative methods must be understood and used. Qualitative data can be used for various purposes including evaluating individualized outcomes, capturing program processes, exploring a new area of interest (e.g., to identify the unknown variables one might want to measure in greater depth/breadth), identifying unanticipated consequences, and side effects, supporting participatory evaluations, assessing quality, and humanizing evaluations by portraying the people and stories behind the numbers. This class will cover the basics of qualitative evaluation, including design, case selection (purposeful sampling), data collection techniques, and beginning analysis. Ways of increasing the rigor and credibility of qualitative evaluations will be examined. Mixed methods approaches will be included. Alternative qualitative strategies and new, innovative directions will complete the course. The strengths and weaknesses of various qualitative methods will be identified. Exercises will provide experience in applying qualitative methods and analyses in evaluations. Individuals enrolled in this class will each receive one copy of Patton's text, *Qualitative Research and Evaluation Methods*, (7th edition, Sage 2003) by Rossi et al.

Sampling: Basic Methods for Probability and Non-Probability Samples

Instructor: Gary T. Henry, PhD, Distinguished Professor of Education Policy, Leadership, Policy, & Organization, Peabody College, Vanderbilt University

Description: Careful use of sampling methods can save resources and often increase the validity of evaluation findings. This seminar will focus on the following: (a) The Basics: defining sample, sampling and validity, probability and non-probability samples, and when not to sample; (b) Error and Sampling: study logic and sources of error, target population and sampling frame; (c) Probability Sampling Methods: simple random sampling, systematic sampling, stratified sampling, cluster sampling, and multi-stage sampling; (d) Making Choices: before, during, and after sampling; and (e) Sampling Issues. Many examples will be used to illustrate these topics and participants will have the opportunity to work with case exercises. The instructor's text *Practical Sampling* (Sage 1990) will be provided as part of the course fee in addition to take-home class work materials.

Using Non-Experimental Designs for Impact Evaluation

Instructor: Gary T. Henry, PhD, Distinguished Professor of Education Policy, Leadership, Policy & Organization, Peabody College, Vanderbilt University

Description: In the past few years, there have been very exciting developments in approaches to causal inference that have expanded our knowledge and toolkit for conducting impact evaluations. Evaluators, statisticians, and social scientists have focused a great deal of attention on causal inference, the benefits and drawbacks of random assignment studies, and alternative designs for estimating program impacts. For this workshop, we will have three goals:

- To understand a general theory of causal inference that covers both random assignment and observational studies, including quasi-experimental and non-experimental studies
- To identify the assumptions needed to infer causality in evaluations
- To describe, compare, and contrast six promising alternatives to random assignment studies for inferring causality, including the requirements for implementing these designs, the strengths and weaknesses of each, and examples from evaluations where these designs have been applied

The six alternative designs to be described and discussed are: regression discontinuity; propensity score matching; instrumental variables; fixed effects (within unit variance); difference-in-differences; and comparative interrupted time series. Also, current findings concerning the accuracy of these designs relative to random assignment studies from "within study" assessments of bias will be presented and the implications for practice discussed.

Prerequisites: This class assumes some familiarity with research design, threats to validity, impact evaluations, and multivariate regression.

Using Program Theory and Logic Models in Evaluation

Instructor: Patricia Rogers, PhD, Professor in Public Sector Evaluation at RMIT University (Royal Melbourne Institute of Technology), Australia

Description: It is now commonplace to use program theory, or logic models, in evaluation as a means to explain how a program is understood to contribute to its intended or observed outcomes. However, this does not mean that they are always used appropriately or to the best effect. At their best, logic models can provide conceptual clarity, motivate staff, and focus evaluations. At their worst, they can divert time and attention from other critical evaluation activities, provide an invalid or misleading picture of the program, and discourage critical investigation of causal pathways and unintended outcomes. This course focuses on developing useful logic models and using them effectively to guide evaluation and avoid some of the most common traps. It begins with the assumption that participants already know something about logic models and program theory* but come with different understandings of terminology and options. Application exercises are used throughout the course for demonstration of concepts and techniques: (a) as ways to use logic models to positive advantage (e.g., to identify criteria, develop questions, identify data sources and bases of comparison); (b) ways they are used with negative results (e.g., focusing only on intended outcomes, ignoring differential effects for client subgroups, seeking only evidence that confirms the theory); and (c) strategies to avoid traps (e.g., differentiated theory, market segmentation, competitive elaboration of alternative hypotheses). Participants receive the instructor's co-authored text, *Purposeful Program Theory* (Jossey-Bass 2011).

**Note: Prior to attendance, those with no previous experience with program theory should work through the University of Wisconsin Extension's course in Enhancing Program Performance With Logic Models, available at no cost at uwex.edu/ces/lmcourse/*

Evaluation Approaches and Techniques

Comparative Effectiveness: Exploring Alternatives to Randomized Clinical Trials

Instructor: Ann M. Doucette, PhD, TEI Special Projects Director, Research Professor, Claremont Graduate University

Description: Evidence is the foundation on which we make judgments, decisions, and policy. Gathering evidence can be a challenging and time-intensive process. Although there are many approaches to gathering evidence, random clinical trials (RCTs) have remained the “gold standard” in establishing effectiveness, impact, and causality, despite the fact that strong proponents of RCTs sometimes assert that RCTs are not the only valid method, nor necessarily the optimal approach in gathering evidence. RCTs can be costly in terms of time and resources; can raise ethical concerns regarding the exclusion of individuals from treatments or interventions from which they might benefit; and can be inappropriate if the intervention is not sufficiently and stably implemented or if the program/service is so complex that such a design would be challenging at best and likely not to yield ecologically valid results.

Comparative effectiveness (CE) has emerged as an accepted approach in gathering evidence for health care decision and policymaking. CE emerged as a consequence of the worldwide concern about rising health care costs and the variability of health care quality—and a more immediate need for evidence of effective health care. RCTs, while yielding strong evidence, were time intensive and posed significant delays in providing data on which to make timely policy and care decisions. CE provided a new approach to gather objective evidence and emphasized how rigorous evaluation of the data yielded across existing studies (qualitative and quantitative) could answer questions regarding what works for whom and under what conditions. Essentially, CE is a rigorous evaluation of the impact of various intervention options, based on existing studies that are available for specific populations. The CE evaluation of existing studies focuses not only on the benefits and risks of various interventions, but also incorporates the costs associated them. CE takes advantage of both quantitative and qualitative methods, using a standardized protocol in judging the strength, and synthesis of the evidence provided by existing studies.

The basic CE questions are: Is the available evidence good enough to support high-stakes decisions? If we rely solely on RCTs for evidence, will it result in a risk that available non-RCT evidence will not be considered sufficient as a basis for policy decisions? Will sufficient evidence be available for decision-makers at the time when they need it? What alternatives can be used to ensure that rigorous findings be made available to decision-makers when they need to act? CE has become an accepted alternative to RCTs in medicine and health. While CE approach has focused on medical intervention, the approach

has potential for human and social interventions that are implemented in other areas (education, justice, environment, etc.).

This course will provide an overview of CE from an international perspective (U.S., UK, Canada, France, Germany, Turkey), illustrating how different countries have defined and established CE frameworks; how data are gathered, analyzed, and used in health care decision-making; and how information is disseminated and whether it leads to change in health care delivery. Though CE has been targeted toward enhancing the impact of health care intervention, this course will consistently focus on whether and how CE (definition, methods, analytical models, dissemination strategies, etc.) can be applied to other human and social program areas (education, justice, poverty, environment, etc.).

No prerequisites are required for this one-day course.

Developmental Evaluation: Systems and Complexity

Formerly taught as Alternative Evaluation Designs: Implications From Systems Thinking and Complexity Theory

Instructor: Michael Quinn Patton, PhD, Director, Utilization-Focused Evaluation and independent evaluation consultant

Description: The field of evaluation already has a rich variety of contrasting models, competing purposes, alternative methods, and divergent techniques that can be applied to projects and organizational innovations that vary in scope, comprehensiveness, and complexity. The challenge, then, is to match evaluation to the nature of the initiative being evaluated. This means that we need to have options beyond the traditional approaches (e.g., linear logic models, experimental designs, and pre-post tests) when faced with systems change dynamics and initiatives that display the characteristics of emergent complexities. Important complexity concepts with implications for evaluation include uncertainty, nonlinearity, emergence, adaptation, dynamical interactions, and co-evolution.

Developmental evaluation supports innovation development to guide adaptation to emergent and dynamic realities in complex environments. Innovations can take the form of new projects, programs, products, organizational changes, policy reforms, and system interventions. A complex system is characterized by a large number of interacting and interdependent elements in which there is no central control. Patterns of change emerge from rapid, real-time interactions that generate learning, evolution, and development—if one is paying attention and knows how to observe and capture the important and emergent patterns. Complex environments for social interventions and innovations are those in which what to do to solve problems is uncertain and key stakeholders are in conflict about how to proceed.

Developmental evaluation involves real-time feedback about what is emerging in complex dynamic systems as innovators seek to bring about systems change. Participants will learn the unique niche of developmental evaluation and what

perspectives such as Systems Thinking and Complex Nonlinear Dynamics can offer for alternative evaluation approaches. Participants will receive a copy of the instructor’s text, *Developmental Evaluation: Applying Complexity Concepts to Enhance Innovation and Use* (Guilford 2010).

Evaluability Assessment

Instructor: Debra J. Rog, PhD, TEI Associate Director of Faculty Affairs; Vice President, Westat Inc.; President, The Rockville Institute

Description: Increasingly, both public and private funders are looking to evaluation not only as a tool for determining the accountability of interventions, but also to add to our evidence base on what works in particular fields. With scarce evaluation resources, however, funders are interested in targeting those resources in the most judicious fashion and with the highest yield. Evaluability assessment is a tool that can inform decisions on whether a program or initiative is suitable for an evaluation and the type of evaluation that would be most feasible, credible, and useful.

This course will provide students with the background, knowledge, and skills needed to conduct an evaluability assessment. Using materials and data from actual EA studies and programs, students will participate in the various stages of the method, including the assessment of the logic of a program’s design and the consistency of its implementation; the examination of the availability, quality, and appropriateness of existing measurement and data capacities; the analysis of the plausibility that the program/initiative can achieve its goals; and the assessment of appropriate options for either evaluating the program, improving the program design/implementation, or strengthening the measurement. The development and analysis of logic models will be stressed, and an emphasis will be placed on the variety of products that can emerge from the process.

Students will be sent several articles prior to the course as a foundation for the method.

Prerequisites: Background in evaluation is useful and desirable, as is familiarity with conducting program-level site visits.

Evaluating Training Programs: Frameworks and Fundamentals

Formerly taught as Evaluating Training Program

Instructor: Ann M. Doucette, PhD, TEI Special Projects Director, Research Professor, Claremont Graduate University

Description: The evaluation of training programs typically emphasizes participants’ initial acceptance and reaction to training content; learning, knowledge, and skill acquisition; participant performance and behavioral application of training; and benefits at the organizational and societal levels that result from training participation. The evaluation of training programs especially behavioral application of content and organizational

benefits from training continue to be an evaluation challenge. Today’s training approaches are wide-ranging, including classroom presentations, self-directed online study courses, online tutorials and coaching components, supportive technical assistance, and so forth. Evaluation approaches must be sufficiently facile to accommodate training modalities and the individual and organizational outcomes that result from training efforts.

The Kirkpatrick (1959, 1976) training model has been a longstanding evaluation approach; however, it is not without criticism or suggested modification. The course provides an overview of two training program evaluation frameworks: 1) the Kirkpatrick model and modifications, which emphasizes participant reaction, learning, behavioral application, and organizational benefits), and 2) the Concerns-based Adoption Model (CBAM), a diagnostic approach that assesses stages of participant concern about how training will affect individual job performance, describes how training will be configured and practiced within the workplace, and gauges the actual level of training use.

The course is designed to be interactive and to provide a practical approach for planning (those leading or commissioning training evaluations), implementing, conducting, or managing training evaluations. The course covers an overview of training evaluation models; pre-training assessment and training program expectations; training evaluation planning; development of key indicators, metrics, and measures; training evaluation design; data collection— instrumentation and administration, data quality; reporting progress, change, and results; and disseminating findings and recommendations—knowledge management resulting from training initiatives. Case examples will be used throughout the course to illustrate course content.

Internal Evaluation: Building Organizations From Within

Instructor: Arnold Love, PhD, internationally recognized independent consultant based in Toronto, Canada

Description: Internal evaluations are conducted by an organization’s own staff members rather than by outside evaluators. Internal evaluators have the enormous advantage of an insider’s knowledge so they can rapidly focus evaluations on areas managers and staff know are important, develop systems that spot problems before they occur, constantly evaluate ways to improve service delivery processes, strengthen accountability for results, and build organizational learning that empowers staff and program participants alike.

This course begins with the fundamentals of designing and managing effective internal evaluation, including an examination of internal evaluation with its advantages and disadvantages, understanding internal evaluation within the organizational context, recognizing both positive and potentially negative roles for internal evaluators, defining the tasks of managers and evaluators, identifying the major steps

in the internal evaluation process, strategies for selecting the right internal evaluation tools, and key methods for making information essential for decision-making available to management, staff, board members, and program participants.

The second day will focus on practical ways of designing and managing internal evaluations that make a difference, including methods for reducing the potential for bias and threats to validity, practical steps for organizing the internal evaluation function, specific skills the internal evaluator needs, strategies to build internal evaluation capacity in your organization, and ways for building links between internal evaluation and organizational development. Teaching will be interactive, combining presentations with opportunities for participation and discussion. Time will be set aside on the second day for an in-depth discussion of key issues and concerns raised by participants. The instructor's book on *Internal Evaluation: Building Organizations From Within* (Sage 1991) is provided with other resource materials.

Linking Evaluation Questions to Analysis Techniques

Instructor: Melvin M. Mark, PhD, Professor of Psychology at Pennsylvania State University

Description: Statistics are a mainstay in the toolkit of program and policy evaluators. Human memory being what it is, however, even evaluators with reasonable statistical training, over the years, often forget the basics. And the basics aren't always enough. If evaluators are going to make sensible use of consultants, communicate effectively with funders, and understand others' evaluation reports, then they often need at least a conceptual understanding of relatively complex, recently developed statistical techniques. The purposes of this course are to link common evaluation questions with appropriate statistical procedures; to offer a strong conceptual grounding in several important statistical procedures; and to describe how to interpret the results from the statistics in ways that are principled and will be persuasive to intended audiences. The general format for the class will be to start with an evaluation question and then discuss the choice and interpretation of the most-suited statistical test(s). Emphasis will be placed on creating a basic understanding of what statistical procedures do, of when to use them, and why, and then on how to learn more from the data. Little attention is given to equations or computer programs, with the emphasis instead being on conceptual understanding and practical choices. Within a framework of common evaluation questions, statistical procedures and principled data inquiry will be explored.

- More fundamental topics to be covered include: (1) basic data quality checks and basic exploratory data analysis procedures, (2) basic descriptive statistics, (3) the core functions of inferential statistics (why we use them), (4) common inferential statistics, including t-tests, the correlation coefficient, and chi square, and (5) the fundamentals of regression analysis.

- For certain types of evaluation questions, more complex statistical techniques need to be considered. More complex techniques to be discussed (again, at a conceptual level) include: (1) structural equation modeling, (2) multi-level modeling, and (3) cluster analysis and other classification techniques.
- Examples of methods for learning from data—e.g. for “snooping” with validity, for making new discoveries principled, and for more persuasive reporting of findings—will include: (1) planned and unplanned tests of moderation, (2) graphical methods for unequal treatment effects, (3) use of previously-discussed techniques such as clustering, (4) identifying and describing converging patterns of evidence, and (5) iterating between findings and explanations.

Each participant will receive a set of readings and current support materials.

Prerequisites: Familiarity with basic statistics.

Measuring Performance and Managing for Results in Government and Nonprofit Organizations

Formerly taught as Performance Measurement for Government and Nonprofit Organizations

Instructor: Theodore H. Poister, PhD, Professor of Public Management & Policy, Andrew Young School of Policy Studies, Georgia State University

Description: A commitment to performance measurement has become pervasive throughout government, the nonprofit sector, foundations, and other nongovernmental organizations in response to demands for increased accountability, pressures for improved quality and customer service, and mandates to “do more with less,” as well as the drive to strengthen the capacity for results-oriented management among professional public and nonprofit administrators.

While the idea of setting goals, identifying and monitoring measures of success in achieving them, and using the resulting performance information in a variety of decision venues might appear to be a straightforward process, a myriad of conceptual, political, managerial, cultural, psychological, and organizational constraints—as well as serious methodological issues—make this a very challenging enterprise. This course presents a step-by-step process for designing and implementing effective performance management systems in public and nonprofit agencies, with an emphasis on maximizing their effectiveness in improving organizational and program performance. The focus is on the interplay between performance measurement and management, as well as the relationships among performance measurement, program evaluation, and evidence based policy. All topics are illustrated with examples from a wide variety of program areas, including those drawn from the instructor's experience in such areas as local government services, child support enforcement, public health, nursing regulation, and transportation.

Day one covers the basics of performance measurement and looks at frameworks for identifying outcomes and other dimensions of performance, data sources and the definition of performance indicators, and criteria for systematically evaluating the usefulness of potential indicators. Day two looks at the analysis and reporting of performance information and its incorporation in a number of critical management processes, such as strategic planning, results-based budgeting, program management and evaluation, quality improvement, performance contracting and grants management, stakeholder engagement, and the management of employees and organizations. The course concludes with a discussion of the “process side” of the design and implementation of performance measures and discusses strategies for building effective performance management systems.

Students receive the text *Managing and Measuring Performance in the Public and Nonprofit Organizations* by Theodore H. Poister, Maria P. Aristigueta, and Jeremy Hall (2nd edition, Jossey-Bass 2015) as well as case studies and other materials.

Mixed-Methods Evaluations: Integrating Qualitative and Quantitative Approaches

Instructor: Debra J. Rog, PhD, TEI Associate Director of Faculty Affairs; Vice President, Westat Inc.; President, The Rockville Institute

Description: Evaluators are frequently in evaluation situations in which they are collecting data through multiple methods, often both qualitative and quantitative. Too often, however, these study components are conducted and reported independently and do not maximize the explanation building that can occur through their integration.

The purpose of this course is to sensitize evaluators to the opportunities in their work for designing and implementing mixed methods and to be more intentional in the ways that they design their studies to incorporate both qualitative and quantitative approaches. The course will begin with an overview of the issues involved with mixed methods research, highlighting the accolades and the criticisms of integrating approaches. The course will then focus on the research questions and evaluation situations that are conducive to mixed methods and the variety of designs that are possible (e.g., parallel mixed methods that occur at the same time and are integrated in their inference; sequential designs in which one method follows another chronologically, either confirming or disconfirming the findings, or providing further explanation). A key focus of the course will be on strategies for implementing mixed-methods designs, as well as analyzing and reporting data, using examples from the instructor's work and those offered by course participants. The course will be highly interactive, with ample time for participants to work on ways of applying the course to their own work. Participants will work in small groups on an example that will carry through the two days of the course.

Participants will be sent materials prior to the course as a foundation for the method.

Prerequisites: Background in evaluation is useful and desirable.

Policy Analysis, Implementation, and Evaluation

Instructor: Doreen Cavanaugh, PhD, Research Professor at the Georgetown Public Policy Institute, Georgetown University

Description: Policy drives the decisions and actions that shape our world and affect the well-being of individuals around the globe. It forms the foundation of every intervention, and yet the underlying assumptions and values are often not thoroughly examined in many evaluations. In this course students will explore the policy development process, study the theoretical basis of policy, and examine the logical sequence by which a policy intervention is to bring about change. Participants will explore several models of policy analysis, including the institutional model, process model, and rational model.

Participants will experience a range of policy evaluation methods to systematically investigate the effectiveness of policy interventions, implementation, and processes and to determine their merit, worth, or value in terms of improving the social and economic conditions of different stakeholders. The course will differentiate evaluation from monitoring and address several barriers to effective policy evaluation, including goal specification and goal change, measurement, targets, efficiency and effectiveness, values, politics, and increasing expectations. The course will present models from a range of policy domains. At the beginning of the two-day course, participants will select a policy from their own work to apply and use as an example throughout the class. Participants will develop the components of a policy analysis and design a policy evaluation.

Policy Evaluation and Analysis

Instructor: Gary T. Henry, PhD, Distinguished Professor of Education Policy, Leadership, Policy & Organization, Peabody College, Vanderbilt University

Description: Policy evaluation and analysis produce evidence intended to influence policymaking. Just as there are many types of evaluation, policy analysis is conducted in different ways and for different purposes. One type of policy analysis—scientific policy analysis—has much in common with policy evaluation. Both usually involve an independent assessment of the social problem that is to be addressed through government action and an assessment of the costs and consequences of relevant policy alternatives. Another type of policy analysis is labeled professional and is intended to have more direct short-term influence on policy, often using data from previous evaluations and extrapolating results to a new setting. Advocacy policy analysis selectively uses data to make a case for pre-determined policy position.

This course will explore the types of policy analysis and the types of evaluation that are most likely to be influential in the policy process. Participants will develop major components of a professional policy analysis and design a policy evaluation. In addition, the class will focus on the development of a communication strategy for a policy evaluation.

Resource Evaluation and Systems Change

Instructor: Doreen Cavanaugh, PhD, Research Professor at the Health Policy Institute, Georgetown Public Policy Institute, Georgetown University

Description: Worldwide financial crises challenge evaluators to examine efficiency as well as the effectiveness of the programs and interventions implemented to effect favorable systems change. This course puts systems change under a microscope by examining three essential infrastructure elements of successful program effort—collaboration, leadership, and resource allocation—and the methods used to evaluate them.

The need to do more with less has increased the value of and emphasis on maximizing performance and results. Improved collaboration across participating stakeholders is one potential way of achieving both program efficiency and effectiveness. Existing studies identify that groups form partnerships by engaging in four increasingly complex activities: networking, coordination of services or resources, cooperation, and, finally, collaboration. This course discusses each of these activities, their similarities and differences, their contributions to project/program outcomes, and methods for evaluating them.

We know that collaborative frameworks yield new styles of leadership and, as a consequence, the need for new evaluation approaches. Frequently found, hierarchical top-down management models give way to an array of new stakeholder positions—change champions and boundary-spanners, individuals who can manage across organizational boundaries, each contributing to the outcome and impact of a project or program. This course will provide participants with an understanding of differing leadership styles, linking the style to the project/program objectives, with an emphasis on methods of evaluating the effect of leadership on intermediate and long-term project/program outcomes.

Today, efficient and effective systems change often requires a reallocation of human and financial resources and the need for flexible evaluation approaches. This course examines the role of resource allocation in project/program outcomes; pre-requisites for determining efficiency; a method of tracking—resource mapping, for redesigning resource deployment; and how to evaluate the resulting effects of resource reallocation on systems change and project/program outcomes.

Resource mapping is a process most often used to identify funds and in-kind contributions that are expended by an entity (governmental, donor, foundation, etc.) within a specific timeframe to address a certain issue/population of interest. The information gathered through this process is then available

to inform the design and development of a comprehensive evaluation approach that will examine a proposed system change that will utilize available funds in the most efficient and effective ways.

Resource mapping may be employed to answer any number of evaluation questions. In some projects/programs, funders may wish to design, develop, and support a health care, education, transportation, or similar system for a specific population group. In other cases stakeholders may want to evaluate the efficiency of these systems. Others may wish to harness resources specifically allocated to diverse divisions within one agency or organization. For any question of interest regarding resource allocation, this mapping strategy is a tool to help evaluators inform policymakers, program developers, and managers in answering essential questions such as:

- What financial resources do we have to work with?
- What is the best way to organize, allocate, and administer these resources for maximum efficiency and effectiveness?
- How will redesigning resource allocation contribute to the outcome and impact of the effort (project/program) at hand?

Participants will learn that completing a resource map is not an end in itself but rather a means to gathering evaluative information that informs the development of a comprehensive plan for resourcing project goals, asking whether resources are indeed sufficient to achieve the stated goals and objectives. Completing the mapping exercise will provide an x-ray of the system. It will identify gaps, inefficiencies, overlaps, and opportunities for collaboration with all participating partners. The map may assist evaluators in informing planners/stakeholders in identifying which resources might be combined in pooled, braided, or blended arrangements that assure optimal outcomes for projects and/or programs.

On day one participants will use examples from their own experience to apply the essential infrastructure elements of collaboration, leadership and resource allocation to a real-life evaluation situation. Day two will focus on ways to evaluate the contributions of collaboration, leadership, and resource allocation strategies to systems change goals, outcome, and impact.

Utilization-Focused Evaluation

Instructor: Michael Quinn Patton, PhD, Founder and Director, Utilization-Focused Evaluation; independent evaluation consultant

Description: Utilization-focused evaluation begins with the premise that evaluations should be judged by their utility and actual use; therefore, evaluators should facilitate the evaluation process and design any evaluation with careful consideration of how everything that is done, from beginning to end, will affect use. Use concerns how real people in the real world apply evaluation findings and experience the evaluation process. Therefore, the focus in utilization-focused evaluation is on intended use by intended users.

Utilization-focused evaluation is a process for helping primary intended users to select the most appropriate content, model, methods, theory, and uses for their particular situation. Situational responsiveness guides the interactive process between evaluator and primary intended users. A psychology of use undergirds and informs utilization-focused evaluation: Intended users are more likely to use evaluations if they understand and feel ownership of the evaluation process and findings; they are more likely to understand and feel ownership if they've been actively involved; by actively involving primary intended users, the evaluator is training users in use, preparing the groundwork for use, and reinforcing the intended utility of the evaluation every step along the way.

Participants will learn:

- Key factors in doing useful evaluations, including common barriers to use, and how to overcome those barriers
- Implications of focusing an evaluation on intended use by intended users
- Options for evaluation design and methods based on situational responsiveness, adaptability and creativity
- Ways of building evaluation into the programming process to increase use

Participants will receive a copy of the instructor's text: *Utilization-Focused Evaluation* (4th edition, Sage 2008).

Using Evaluation—Strategies and Capacity

Culture and Evaluation

Instructor: Leona Ba, PhD, International development consultant

Description: This course will provide participants with the opportunity to learn and apply a step-by-step approach on how to conduct culturally responsive evaluations. It will use theory-driven evaluation as a framework, because it ensures that evaluation is integrated into the design of programs. More specifically, it will follow the three-step "Culturally Responsive Theory-Driven Evaluation" model proposed by Bledsoe and Donaldson (2015):

1. Develop program impact theory
2. Formulate and prioritize evaluation questions
3. Answer evaluation questions

During the workshop, participants will reflect on their own cultural self-awareness, a prerequisite for conducting culturally responsive evaluations. In addition, they will explore strategies for applying cultural responsiveness to evaluation practice using examples from the instructor's first-hand experience and other program evaluations. They will receive a package of useful handouts, as well as a list of selected resources.

Prerequisites: Understanding of evaluation and research design

Effective Reporting Strategies for Evaluators

Instructor: Kathryn Newcomer, PhD, Professor and Director, The Trachtenberg School of Public Policy & Public Administration, The George Washington University

Description: The use and usefulness of evaluation work is highly affected by the effectiveness of reporting strategies and tools. Care in crafting both the style and substance of findings and recommendations is critical to ensure that stakeholders pay attention to the message. Skill in presenting sufficient information—yet not overwhelming the audience—is essential to raise the likelihood that potential users of the information will be convinced with both the relevance and the validity of the data. This course will provide guidance and practical tips on reporting evaluation findings. Attention will be given to the selection of appropriate reporting strategies/formats for different audiences and to the preparation of effective executive summaries; clear analytical summaries of quantitative and qualitative data; user-friendly tables and figures; discussion of limitations to measurement validity, generalizability; causal inferences, statistical conclusion validity, and data reliability; and useful recommendations. The text provided as part of course fee is *Evaluation Strategies for Communicating and Reporting* (2nd edition, Sage 2005) by Torres et al.

How to Build a Successful Evaluation Consulting Practice

Instructor: Michael Quinn Patton, PhD, Founder and Director, Utilization-Focused Evaluation; independent evaluation consultant

Description: This class offers the opportunity for participants to learn from someone who has been a successful evaluation consultant for 30 years. Issues addressed include: What does it take to establish an independent consulting practice? How do you find your consulting niche? How do you attract clients, determine how much to charge, create collaborations, and generate return business? Included will be discussion on such topics as marketing, pricing, bidding on contracts, managing projects, resolving conflicts, professional ethics, and client satisfaction. Participants will be invited to share their own experiences and seek advice on situations they've encountered. The course is highly interactive and participant-focused.

Participants will receive a copy of the instructor's text *Essentials of Utilization-Focused Evaluation* (Sage 2012).

Implementation Analysis for Feedback on Program Progress and Results

Instructor: Arnold Love, PhD, Internationally recognized independent consultant based in Toronto, Canada

Description: Many programs do not achieve intended outcomes because of how they are implemented. Thus, implementation analysis (IA) is very important for policy and funding decisions. IA fills the methodological gap between outcome evaluations that treat a program as a “black box” and process evaluations that present a flood of descriptive data. IA provides essential feedback on the “critical ingredients” of a program and helps drive change through an understanding of factors affecting implementation and short-term results. Topics include importance of IA; conceptual and theoretical foundations of IA; how IA drives change and complements other program evaluation approaches; major models of IA and their strengths/weaknesses; how to build an IA framework and select appropriate IA methods; concrete examples of how IA can keep programs on track, spot problems early, enhance outcomes, and strengthen collaborative ventures; and suggestions for employing IA in your organization. Detailed course materials and in-class exercises are provided.

Making Evaluation Data Actionable

Formerly taught as “Actionable” Data for Complex Service Systems: Benchmarking/Standards Setting

Instructor: Ann M. Doucette, PhD, TEI Special Projects Director, Research Professor, Claremont Graduate University

Description: Interventions and programs are implemented within complex environments that present challenges for collecting program performance information. A general problem for performance measurement initiatives—and what often causes them to fall short of their intended objectives—is the failure to choose performance measures that are actionable, meaning that they are linked to practices that an organization or agency can actually do something about, and the changes in those practices can be linked directly to improved outcomes and sustained impact.

This class introduces complex adaptive systems (CAS) thinking and addresses the implication of CAS in evaluating the outcomes and impact of interventions and programs. Examples used in this case range from healthcare, education, transportation and safety, developing countries, and research and development environments. The class examines performance measurement strategies that support actionable data. The focus will be on data-based decision making, value-based issues, and practice-based evidence that can assist in moving performance measurement and quality monitoring activities from a process, outcome, and impact evaluation approach to continuous quality improvement. Business models such as Toyota Production System, Six-sigma, Balanced Scorecards, as well as knowledge management and benchmarking strategies, will be discussed in terms of how they can inform improvement strategies.

Note: *Persons with some experience in program evaluation and those with interest in a systems perspective will likely derive the most benefit from this course.*

Presenting Data Effectively: Practical Methods for Improving Evaluation Communication

Instructor: Stephanie Evergreen, PhD, Speaker, designer, and independent evaluator

Description: Crystal clear charts and graphs are valuable. They save an audience’s mental energies, keep a reader engaged, and make you look smart. In this course, attendees will learn the science behind presenting data effectively. We will go behind-the-scenes in Excel and discuss how each part of a visualization can be modified to best tell the story in a particular dataset. We will discuss how to choose the best chart type, given audience needs, cognitive capacity, and the story that needs to be told about the data. This includes both quantitative and qualitative visualizations. We will walk step-by-step through how to create newer types of data visualizations and how to manipulate the default settings to customize graphs so that they have a more powerful impact. Working in a computer lab, attendees will build with a prepared spreadsheet to learn the secrets to becoming an Excel dataviz ninja. Attendees will get hands-on practice implementing direct, practical steps that can be immediately implemented after the workshop to clarify data presentation and support clearer decision-making. Full of guidelines and examples, after this workshop you will be better able to package your data so it represents your smart, professional quality.

Note: *Attendees are strongly encouraged to maximize the workshop experience by bringing a slideshow that contains graphs under current construction.*

Attendees will learn:

- Visual processing theory and why it is relevant for evaluators
- How to apply graphic design best practices and visual processing theory to enhance data visualizations with simple, immediately implementable steps
- Which chart type to use and when
- How to construct data visualizations and other evaluation communication to best tell the story in the data
- Alternative methods for reporting

Workshop attendees will leave with helpful handouts and a copy of *Effective Data Visualization* (Sage, 2016).

Registrants should regularly develop graphs, slideshows, technical reports and other written communication for evaluation work and be familiar with the navigational and layout tools available in simple software programs like Microsoft Office.

Project Management and Oversight for Evaluators

Formerly taught as Management for Evaluators and Those With Oversight Responsibility

Instructor: Tessie Catsambas, Co-founder of EnCompass LLC, CEO/CFO

Description: The purpose of this course is to provide new and experienced evaluation professionals and funders with strategies, tools, and skills to: (1) develop realistic evaluation plans; (2) negotiate needed adjustments when issues arise; (3) organize and manage evaluation teams; (4) monitor evaluation activities and budgets; (5) protect evaluation independence and rigor while responding to client needs; and (6) ensure the quality of evaluation products and briefings.

Evaluation managers have a complex job: They oversee the evaluation process and are responsible for safeguarding methodological integrity, evaluation activities, and budgets. In many cases they must also manage people, including clients, various stakeholders, and other evaluation team members. Evaluation managers shoulder the responsibility for the success of the evaluation, frequently dealing with unexpected challenges and making decisions that influence the quality and usefulness of the evaluation.

Against a backdrop of demanding technical requirements and a dynamic political environment, the goal of evaluation management is to develop, with available resources and time, valid and useful measurement information and findings and ensure the quality of the process, products, and services included in the contract. Management decisions influence methodological decisions and vice versa, as method choice has cost implications.

The course methodology will be experiential and didactic, drawing on participants’ experience and engaging them with diverse material. It will include paper and online tools for managing teams, work products, and clients; an in-class simulation game with expert judges; case examples; reading; and a master checklist of processes and sample forms to organize and manage an evaluation effectively. At the end of this training, participants will be prepared to follow a systematic process with support tools for commissioning and managing evaluations and will feel more confident to lead evaluation teams and negotiate with clients and evaluators for better evaluations.

Strategy Mapping

Instructor: John Bryson, PhD, McKnight Presidential Professor of Planning & Public Affairs, Hubert H. Humphrey Institute of Public Affairs, University of Minnesota, Minneapolis

Description: The world is often a muddled, complicated, dynamic place in which it seems as if everything connects to everything else—and that is the problem! The connections can be problematic because, while we know things are connected,

sometimes we do not know how, or else there are so many connections we cannot comprehend them all. Alternatively, we may not realize how connected things are and our actions lead to unforeseen and unhappy consequences. Either way, we would benefit from an approach that helps us strategize, problem solve, manage conflict, and design evaluations that help us understand how connected the world is, what the effects of those connections are, and what might be done to change some of the connections and their effects.

Visual strategy mapping (ViSM) is a simple and useful technique for addressing situations where thinking—as an individual or as a group—matters. ViSM is a technique for linking strategic thinking, acting, and learning; helping make sense of complex problems; communicating to oneself and others what might be done about them; and also managing the inevitable conflicts that arise.

ViSM makes it possible to articulate a large number of ideas and their interconnections in such a way that people can know what to do in an area of concern, how to do it, and why. The technique is useful for formulating and implementing mission, goals, and strategies and for being clear about how to evaluate strategies. The bottom line is: ViSM is one of the most powerful strategic management tools in existence. ViSM is what to do when thinking matters!

When can mapping help? There are a number of situations that are tailor-made for mapping. Mapping is particularly useful when:

- Effective strategies need to be developed
- Persuasive arguments are needed
- Effective and logical communication is essential
- Effective understanding and management of conflict are needed
- It is vital that a situation be understood better as a prelude to any action
- Organizational or strategic logic needs to be clarified in order to design useful evaluations

These situations are not meant to be mutually exclusive. Often they overlap in practice. In addition, mapping is very helpful for creating business models and balanced scorecards and dashboards. Visual strategy maps are related to logic models, as both are word-and-arrow diagrams, but are more tied to goals, strategies, and actions and are more careful about articulating causal connections.

Objectives: (Strategy Mapping)

At the end of the course, participants will:

- Understand the theory of mapping
- Know the difference between action-oriented strategy maps, business model maps, and balanced scorecard maps
- Be able to create action-oriented strategy maps for individuals – that is, either for oneself or by interviewing another person
- Be able to create action-oriented maps for groups

- Be able to create a business model map linking competencies and distinctive competencies to goals and critical success factors
- Know how to design and manage change processes in which mapping is prominent
- Have an action plan for an individual project

Using Program Evaluation in Nonprofit Environments

Formerly taught as Using Program Evaluation: Foundation Program Officers/Nonprofit Executives

Instructor: Kathryn Newcomer, PhD, Professor and Director, The Trachtenberg School of Public Policy & Public Administration, The George Washington University

Funders and oversight boards typically need data on the results obtained by the programs they fund. Within foundations program officers want information about grantees and about lines of effort they fund to guide planning and future allocation of resources. Executive officers and members of the boards that oversee nonprofit service providers also want to know what works and what does not. This class provides background that program officers and overseers need to understand how evaluation can serve their information needs and how to assess the quality of the evidence they receive.

Drawing upon cases from foundations and nonprofits, the session will help attendees:

- Learn what/who drives program evaluation and performance measurement in public and nonprofit service providers
- Explore uses of evaluation and outcomes assessment in the nonprofit sector
- Understand how to frame useful scopes of work (SOWs) and requests for proposals (RFPs) for evaluations and performance measurement systems
- Identify and apply relevant criteria in choosing contractors and consultants to provide evaluation assistance
- Discuss challenges to measurement of social service outcomes
- Understand what questions to ask of internal evaluation staff and outside consultants about the quality of their work
- Clarify where to start in using evaluation to improve nonprofit social service programs

Analytic Approaches

Applied Regression Analysis for Evaluators (computer lab)

Instructor: Gary T. Henry, PhD, Distinguished Professor of Education Policy, Leadership, Policy & Organization, Peabody College, Vanderbilt University

Description: Evaluators often face the situation where program outcomes vary across different participants and they want to explain those differences. To understand the contribution of the program to the outcomes, it is often necessary to control for the influence of other factors. In these situations, regression analysis is the most widely used statistical tool for evaluators to apply. The objective of this course is to describe and provide hands-on experience in conducting regression analysis and to aid participants in interpreting regression results in an evaluation context. The course begins with a review of hypothesis testing (t-tests) and a non-mathematical explanation of how the regression line is computed for bivariate regression. A major focus is on accurately interpreting regression coefficients and tests of significance, including the slope of the line, the t-statistic, and the statistics that measure how well the regression line fits the data. Participants will also learn how to find outliers that may be unduly influencing the results. Participants will have opportunity to estimate multivariate regression models on cross-sectional data; diagnose the results to determine if they may be misleading; and test the effects of program participation with pretest-posttest and posttest-only data. Regression-based procedures for testing mediated and moderated effects will be covered. On the third day, students will be given the opportunity to conduct an independent analysis and write up the findings. Both peer feedback and instructor feedback will be provided to build skills in interpreting findings and explaining them to interested audiences. Participants will use SPSS software to compute regression analyses and will be given the opportunity to apply it on data from an actual evaluation. Students and instructor will work on interpreting the results and determining how to present them to evaluation audiences. The class will be in a lab where each person has a computer for application of content.

Applied Statistics for Evaluators (computer lab)

Instructor: Theodore H. Poister, PhD Professor of Public Management & Policy, Andrew Young School of Policy Studies, Georgia State University

Description: In this class, students will become familiar with a set of statistical tools that are often used in program evaluation, with a strong emphasis on appropriate application of techniques and interpretation of results. It is designed to “demystify” statistics and clarify how and when to use particular techniques. While the principal concern focuses on practical applications in program evaluations rather than the mathematical support underlying the procedures, a number of formulas and computations are covered to help students understand the logic of how the statistics work. Topics include introduction to data analysis; simple descriptive statistics; examination of statistical relationships; the basics of statistical inference from sample data; two-sample t tests, chi square and associated measures; analysis of variance; and an introduction to simple and multiple regression analysis.

Students will learn how to generate a wide variety of tables and graphs for presenting results, and a premium will be placed on clear presentation and interpretation of results. This “hands-on” class is conducted in a computer lab in which each participant has a computer for running statistical procedures on a wide range of real-world data sets using SPSS software. However, no prior knowledge of statistics or SPSS is required. While this is an introductory course, it can also serve as a refresher for those with some training in statistics and an “eye opener” for evaluators who are working with statistics now but are not comfortable with when and how they should be used.

Hierarchical Linear Models

Instructor: Gary T. Henry, PhD, Distinguished Professor of Education Policy, Leadership, Policy & Organization, Peabody College, Vanderbilt University

Description: In many evaluations, the program participants are nested within sites, schools, or groups. In addition, the nesting is sometimes multi-leveled, such as students within classes within schools within school districts. To make matters more complicated, we more frequently have multiple observations taken over time on the program participants, such as years of student achievement scores or measures of mental health status. Hierarchical linear models (HLM) have been developed to accurately analyze these types of data. These models make two important improvements over regular (ordinary least squares) regression. First, the standard errors that are used for testing statistical significance are corrected for the “nesting” or “clustering” of participants into groups. Usually, the participants in a cluster are more similar to each other than they are to participants in other clusters, and this, when uncorrected, deflates the standard errors leading to false positives, or concluding that a coefficient is statistically significant when it is not. HLM corrects the standard errors and test of statistical significance for nested data. Second, HLM appropriately apportions the variance that occurs at each level to that level, and provides realistic estimates of the effects across levels.

In this course, we lay a foundation for understanding, using, and interpreting HLM. We begin with multiple regression, including the assumptions that must be fulfilled for the coefficients and tests of statistical significance to be unbiased. Using a step-by-step approach, we will introduce the basic concepts of HLM and the notation that has been developed for presenting HLM models. We will focus on practical aspects of the use of HLM and correctly putting the findings into language suitable for a report. The main objective of the course is to provide the participants with a better understanding of HLM, how it can improve the analysis of data in many evaluations, and how to read and interpret reports and articles that utilize it. The course will not offer hands-on experiences writing and implementing HLM statistical programs.

Introduction to Cost-Benefit and Cost-Effectiveness Analysis

Instructor: Clive Belfield, PhD, Co-director of the Center for Benefit-Cost Studies in Education, Teachers College, Columbia University

Description: The tools and techniques of benefit-cost and cost-effectiveness analysis will be presented. The goal of the course is to provide analysts with the skills to interpret benefit-cost and cost-effectiveness analyses. Content includes: identification and measurement of costs using the ingredients method; how to specify effectiveness; shadow pricing for benefits using revealed preference and contingent valuation methods; discounting; and the calculation of cost-effectiveness ratios, net present value, benefit-cost ratios, and internal rates of return. Sensitivity testing and uncertainty will also be addressed. Individuals will work in groups to assess various costs, effects and benefits applicable to selected case studies across various policy fields. Case studies will be selected from across policy fields (e.g. health, education, environmental sciences).

Intermediate Cost-Benefit and Cost-Effectiveness Analysis

Instructor: Joseph Cordes, Associate Director, Trachtenberg School of Public Policy & Public Administration; Professor of Economics, Public Policy & Public Administration, & International Affairs, The George Washington University

Description: The Intermediate Cost-Benefit and Cost-Effectiveness Analysis course provides a more advanced and detailed review of the principles of social cost and social benefit estimation than is provided in TEI’s Introduction to Cost-Benefit and Cost-Effectiveness Analysis. Working with the instructor, students will undertake hands-on estimation of the costs and benefits of actual programs in the computer lab. The objective is to develop the ability both to critically evaluate and use cost-benefit analyses of programs in the public and nonprofit sectors and to use basic cost-benefit analysis tools to actively undertake such analyses.

Topics covered in the course will include:

Principles of Social Cost and Social Benefit Estimation

- Social Cost Estimation: (a) Components (capital, operating, administrative); (b) Budgetary and Social Opportunity Cost
- Social Benefit Estimation: (a) Social vs. private benefits; (b) revealed benefit measures (price/cost changes in primary market, price/cost changes in analogous markets, benefits inferred from market-trade-offs, and cost/damages avoided as benefit measures).
- Stated preference measures: Inferring benefits from survey data
- Benefit/Cost Transfer: Borrowing estimates of benefits and costs from elsewhere

- Timing of Benefits and Costs: (a) Discounting and net present value, (b) Dealing with inflation, (c) Choosing a discount rate
- Presenting Results: (a) Sensitivity analysis (partial sensitivity analysis, best/worst case scenarios, break-even analysis, and Monte-Carlo analysis). (b) Present value of net social benefits, (c) Benefit Cost Ratio, (d) Internal rate of return

Social Cost and Social Benefit Estimation in Practice

The use of the above principles of cost and benefit estimation will be illustrated using data drawn from several actual benefit cost analysis of real programs. The cases will be chosen to illustrate the application of the benefit/cost estimation principles in the case of social programs, health programs, and environmental programs. Working with the instructor in the computer lab, students will create a benefit-cost analysis template and then use that template to estimate social benefits and social costs and to present a benefit-cost bottom line.

This is an intermediate-level course. Participants are assumed to have some knowledge or experience with cost-benefit and/or cost-effectiveness analysis equivalent to the TEI course Introduction to Cost-Benefit and Cost-Effectiveness Analysis.

Needs Assessment

Instructor: Ryan Watkins, PhD, Professor at The George Washington University

Description: The initial phase of a project or program is among the most critical in determining its long-term success. Needs assessments supports this initial phase of project development with proven approaches to gathering information and making justifiable decisions. In a two-day workshop, learn how needs assessment tools and techniques help you identify, analyze, prioritize, and accomplish the results you really want to achieve. Filled with practical strategies, tools, and guides, the workshop covers both large-scale, formal needs assessments and less-formal assessments that guide daily decisions. The workshop blends rigorous methods and realistic tools that can help you make informed and reasoned decisions. Together, these methods and tools offer a comprehensive, yet realistic, approach to identifying needs and selecting among alternative paths forward.

In this course, we will focus on the pragmatic application of many needs assessment tools, giving participants the opportunity to practice their skills while learning how needs assessment techniques can improve the achievement of desired results. With participants from a variety of sectors and organizational roles, the workshop will illustrate how needs assessments can be of value in a variety of operational, capacity development, and staff learning functions.

Practical Meta-Analysis: Summarizing Results Across Studies

Instructor: David B. Wilson, PhD, Professor in the Department of Criminology, Law & Society at George Mason University

Description: Meta-analysis is a technique for encoding, analyzing, and summarizing quantitative findings from research studies. It is used by applied researchers and evaluators to review, synthesize, and interpret existing research on such topics as effects of intervention, assessment of change, differentiation of diagnostic or demographic groups, relationships between risk variables and subsequent behavior, and reliability and validity of measurement instruments. This course will provide practical instruction on how to conduct meta-analysis, including (a) specifying the problem and gathering relevant studies, (b) coding procedures, (c) database structures, (d) analyzing meta-analytic databases, and (e) interpreting meta-analysis results. Participants will be given a detailed guide for conducting meta-analysis and a computer disk with applicable software. On the first day procedures will be explained and implementations discussed. On the second day, hands-on applications of analytic techniques will occur with participant access to individual computers. Problems provided sufficiently in advance by participants will be incorporated into class discussion, or if more appropriate, consultation provided after class hours.

Qualitative Data Analysis

Instructor: Patricia Rogers, PhD, Professor in Public Sector Evaluation at RMIT University (Royal Melbourne Institute of Technology), Australia

Description: Many evaluators find it challenging to analyze textual, visual, and aural data from interviews, diaries, observations, and open-ended questionnaire items in ways that are rigorous but practical within the time and staffing constraints of real evaluation. Analysis of qualitative data can range from simple enumeration and illustrative use to more detailed analysis requiring more expertise and time. In this class, participants will work through a structured approach to analyzing qualitative data based on an iterative process of considering the purpose of the analysis, reviewing suitable options, and working through interpretations. Techniques include grouping, summarizing, finding patterns, discovering relationships, and developing and testing relationships. The session will address practical and ethical issues in analyzing and reporting qualitative data—particularly who participates in interpretation, how confidentiality can be maintained, how analysis can be tracked and checked, and standards for good practice in qualitative data analysis. Hands-on exercises for individuals and small groups will be used throughout the class. Manual analysis of data will be used in exercises and participants will also be introduced to NVivo and other computer packages to assist analysis. As part of the course, participants will receive the textbook *Qualitative Data Analysis* by Miles, Huberman and Saldaña (Sage 2014).

Intermediate Qualitative Data Analysis

Instructor: Delwyn Goodrick, PhD, Evaluation practitioner/psychologist, Melbourne, Australia

Description: Data analysis involves creativity, sensitivity, and rigour. In its most basic form, qualitative data analysis involves some sort of labeling, coding, and clustering in order to make sense of data collected from evaluation fieldwork, interviews, and/or document analysis. This intermediate-level workshop builds on basic coding and categorizing familiar to most evaluators, and extends the array of strategies available to support rigorous interpretations.

This workshop presents an array of approaches to support the analysis of qualitative data with an emphasis on procedures for the analysis of interview data. Strategies such as thematic analysis, pattern matching, template analysis, process tracing, schema analysis, and qualitative comparative analysis are outlined and illustrated with reference to examples from evaluation and from a range of disciplines, including sociology, education, political science, and psychology.

The core emphasis in the workshop is creating awareness of heuristics that support selection and application of appropriate analytic techniques that match the purpose of the evaluation, type of data, and practical considerations such as resource constraints. While a brief overview of qualitative analysis software is provided, the structure of the workshop focuses on analysis using manual methods. A range of activities to support critical thinking and application of principles is integrated within the workshop program.

Qualitative data analysis and writing go hand in hand. In the second part of the workshop, strategies for transforming analysis through processes of description, interpretation, and judgment will be presented. These issues are particularly important in the assessment of the credibility of qualitative evidence by evaluation audiences. Issues of quality, including validity, trustworthiness, and authenticity of qualitative data are integrated throughout the workshop.

This is an intermediate-level course. Participants are assumed to have some knowledge/or experience with qualitative data.

Participants will receive *Qualitative Data Analysis: Practical Strategies* by Patricia Bazeley (Sage 2013) to support learning within and beyond the workshop.

Specific issues to be addressed:

- What are the implications of an evaluator's worldview for selection of qualitative data analysis (QDA) strategies?
- Are there analytic options that are best-suited to particular kinds of qualitative data?
- How can participant experiences be portrayed through QDA without fracturing the data through formal coding?
- What types of analysis may be appropriate for particular types of evaluation (program theory, realist, transformative)?

- What strategies can be used to address interpretive dissent when working in evaluation teams?
- What are some ways that qualitative and quantitative findings can be integrated in an evaluation report?
- How can I sell the value of qualitative evidence to evaluation audiences?



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