

Course Assessment

Learners will be assessed using the following suggested methods (both self and instructor evaluation, customizable):

- Personal Journal and Weekly Design Worksheets: 20%
- Quantitative Nursing Research Proposal: 20%
- Quantitative Nursing Research Design: 35%
- Quantitative Nursing Research Proposal Analysis: 25%

Upon completion, learners will receive a Certificate of Completion for a 39 hour course.



CE Provider approved by the

California Board of Registered Nurses.

Provider #CEP 14891 for 39 Contact Hours

Course Tuition

\$199 USD which includes instruction, e-manual and worksheets. To register, go to www.nursing-informatics.com/nrrs105.html

Once registered, your instructor will send you the entry "key" to access the course. You can register at any time, since this is a 1 to 1 course and is done at your own pace.

Fee may be paid using PayPal (credit card or bank processing on-line), or by mailed international money order or certified check.

**The Learning Center at
Nursing Informatics.com**

*Infusing Nurses with Power for
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NRRS 105: QUANTITATIVE RESEARCH & TECHNOLOGY

FROM

the Learning Center at

Nursing-informatics.com

CALIF. BOARD APPROVED



Overview of NRRS 105

This 13 module course introduces nurses to the theory and process of applying technology to quantitative nursing research: including software, virtual databases, proposal writing, on-line data collection and computer-assisted data analysis and dissemination. The learner will create a proposal and plan a research study as part of the assessment process. This course entails 39 instruction hours, equivalent in length to a standard 3 credit college course. This course is personalized, self-paced and taken entirely on-line in the privacy and comfort of your own home or office. You will receive one to one interaction with your instructor and your modes of assessment and study will be fine-tuned to suit your personal learning styles, preferences and needs.

Practice includes learning how to apply computer technology to every step of the quantitative research project from planning to analysis. The principles of probability, description, exploration, selection, design, reliability, validity, non-biasedness, randomness, and robustness will be incorporated and applied to the research process.

NOTE: It is recommended that you investigate actual funding possibilities that relate to your chosen research area while writing your assignments – so that this work can be useful to you in your actual practice.

OBJECTIVES

This course is intended to provide the opportunity to:

- Understand and apply theory related to computer technology in quantitative research planning, data collection, data analysis, literature reviews, database formation, findings presentation and dissemination, as well as graphics, tables and chart development
- Explore the dynamics of planning quantitative research utilizing computer technology.
- Apply principles of confidentiality, privacy, probability, description, exploration, selection, design, reliability, validity, non-bias, randomness, and robustness to the quantitative research process.
- Explore the process of selecting various quantitative research designs, including non-experimental, quasi-experimental, and experimental designs.
- Explore the use of on-line environments for quantitative data collection.
- Practice utilizing computer software and on-line resources to analyze quantitative nursing research data.
- Plan a quantitative nursing research project proposal
- Apply, engage in and assess the utility of this quantitative nursing research project proposal

Course Modules

- MODULE ONE:** How technologically enhanced Research fits into nursing practice and education
- MODULE TWO:** Overview of the research process and where computers fit in
- MODULE THREE:** Non-experimental research design
- MODULE FOUR:** Quasi-experimental research design
- MODULE FIVE:** Experimental research design
- MODULE SIX:** Ethics, Research Planning & computers
- MODULE SEVEN:** Data collections, databases
- MODULE EIGHT:** Quantitative research proposal development and planning
- MODULE NINE:** Web-based Survey development
- MODULE TEN:** Web-based data analysis
- MODULE ELEVEN:** Data analysis software (Excel, SPSS)
- MODULE TWELVE:** Graphics, charts, tables in data collection and analysis
- MODULE THIRTEEN:** Polishing your proposal, funding options, budgets, collaboration