

SYLLABUS

Title: Conducting Research in the Chiropractic Office & Getting Published

**Dates &
Locations:**

Instructor: Dr. John Hart, DC, MHSc

CE Hours Requested: 6

I. COURSE OBJECTIVES

This seminar will review research methods and teach the chiropractor the correct way to do research in their office. It will review the statistical methods and variables and their importance. The chiropractor will leave knowing how to set up and perform a valid study in his office that can help better treatments of their patients

II. COURSE OUTLINE

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| Hour One | Purpose and benefits of research in general
History of research in chiropractic
Current research journals in chiropractic
Conducting literature searches |
| Hour Two | Research designs, including those which are feasible for the practicing chiropractor in his or her office (aka practice-based research) |
| Hour Three | Basic statistics in Excel and online programs <ul style="list-style-type: none">• Descriptive statistics (e.g., mean, median, mode, and standard deviation)• Scatter plots• Line and bar graphs• t test |
| Hour Four | Basic statistics in Excel and online programs <ul style="list-style-type: none">• Correlation• p-value and what it means• Effects of results |
| Hour Five | Steps in conducting in-office research <ul style="list-style-type: none">• Developing a research question• Patient consent form• Institutional Review Board (IRB) considerations |

Hour Six

Steps in conducting in-office research

Data Collection

- Data analysis
- Writing the paper
- Selecting a journal
- Submitting your paper to a journal