# Overview of Research Skills Material (2008-2016)

Critical Appraisal\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
 A. Exercises  
 Case-Control-Studies   
 Ecologic Studies   
 Diagnostic Studies   
 Cross-Sectional-Studies   
 Cohort Study   
 Excel-Sheet   
 Checklist: Critical Appraisal of papers

B. Presentations  
 Critical Appraisal (“Scientific Skills”)   
 Critical Appraisal (“Scientific Skills Course”, Kalies, Grote)

C. Texts  
 STROBE for case-control, cross-sectional, observational studies   
 How not to review a paper   
 How to review a paper   
 How to read a paper   
 How to read a Scientific Paper/Article

How to write a Scientific Paper\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
 A. Presentations  
 How to write a good background   
 Mapping the Methods (How to write the methods section)   
 Mappint the Methods (How to write the methods section, part 2)   
 The autonomy of a scientific paper   
 How to write a paper (Rehfuss)   
 How to write a paper (Kalies, Schlipköter)

Study Protocol\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
 A. Exercises  
 Protocol outline (for 5 groups, 5 types of studies)  
 B. Presentations  
 How to write a grant protocol   
 How to write a protocol (Kalies, Grote)  
 How to write a protocol (Kalies, Grote) (2)  
 Study Protocol (Grill, Phillips)

Research Question\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
 A. Exercises  
 PICO exercise (for 5 groups)

B. Presentations  
 Research Question (Grill, Phillips) (2x)   
 Research Question (Radon, Nowak)   
 PICO (Grill, Phillips)

Literature Search\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
 A. Exercises  
 Literature Search (9 questions)   
 PubMed Practice (for 5 groups)

B. Presentations  
 Intro and PubMed (Phillips)   
 Literature Research, Online data mining (Geldmacher)   
 Literature Search and Endnote   
 Literature Search, Retrival and Management (Grote) (3x)

C. Texts  
 Literature Search and Reference Management   
 Tips for online Data mining

Reference Management\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
 A. Exercises  
 Endnote Practice (for 5 groups)

B. Presentations  
 Endnote X7.1   
 Literature Search and Endnote

C. Texts   
 Literature Search and Reference Management

Paraphrasing\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
 A. Exercises  
 Paraphrasing Practice (for 5 groups)   
 Paraphrasing Text and Practice

B. Presentations  
 Plagiarism – Quoting, Summarizing, Paraphrasing (Phillips)

Ethics\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
 A. Presentations  
 Ethical Issues

B. Texts  
 Checklist of Ethics (german)

Thesis Writing\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
 A. Exercises  
 Example Thesis good and bad

Presentation Skills\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
 A. Presentations  
 How to present scientific results

Conducting a study\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
 A. Texts  
 Design and planning of epidemiological studies

Questionnaire Development\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
 A. Presentations  
 Questionnaire development (Kantar Health)   
 Questionnaire development (Quante)   
 Surveymonkey (Fürst)

Data protection\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
 A. Texts  
 Epidemiologie und Datenschutz (german)

Other\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ A. Presentations  
 Therapy studies (Crispin)

B. Texts  
 Good Epidemiological Practice