**Proposed Syllabus: Methods in Clinical Cancer Research.**

22 lectures x 75 minute lectures, = 28 hours total.

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|  | Topic |
| 1 | Introduction |
| 2 | Phase I trials: intro & clinical issues |
| 3 | Phase I trials: designs & statistics |
| 4 | Phase II trials: intro & clinical issues |
| 5 | Phase II trials: design & statistics |
| 6 | Phase III studies: intro & clinical issues |
| 7 | Phase III studies: design & statistics |
| 8 | Power and sample size. |
| 9 | Correlative endpoints in early clinical trials |
| 10 | Feasibility and reproducibility of biomarkers |
| 11 | Diagnostic Testing: Studies and issues |
| 12 | Radiation oncology and multimodality trials |
| 13 | Imaging |
| 14 | Translation: product to clinic |
| 15 | Selecting endpoints: imaging, clinical, immunology markers |
| 16 | Quality of life and survivorship |
| 17 | Industry and cooperative group studies |
| 18 | Consent and ethics |
| 19 | Investigator responsibilities |
| 20 | Special populations: (e.g. elderly, HIV+, peds) |
| 21 | Grants and funding |
| 22 | Review processes: IRB, PRC, DSMBs |