

Lecture Plan for Advanced Techniques (OPTO 365)

- Lecture 1: Introduction to the course and topics to be covered.
- Lacrimal studies including: dry eye questionnaires (DEQ), tear meniscus height (TMH), Meibomian gland function (MGF), non-invasive break-up time (NIBUT), tear break-up time (TBUT), Phenol-red test (PRT), Schirmer test and the TearLab, Tear Ferning Pattern.
- Practice 1: Full practice sessions on tests and techniques available at KSU.
- Lecture 2: Perimetry I: visual pathway, field defects, confrontation field testing (CFT), Bjerrum screen.
- Practice 2: Full practice session on Perimetry I.
- Lecture 3: Perimetry II: standard automated perimetry (SAP), frequency doubling perimetry (FDP), short-wavelength automated perimetry (SWAP).
- Practice 3: Full practice session on Perimetry II using the HFA II and the Octopus 900.
- Lecture 4: Macular Function: photostress recovery time (PSRT), Amsler grid, automated central visual field testing.
- Practice 4: Full practice session on Macular Function.
- 1st Mid-term First mid-term examination, covering the topics of the previous four lectures.
- Lecture 5: Anterior segment and fundus photography, binocular indirect Ophthalmoscopy.
- Practice 5: Full practice session on photography and binocular indirect Ophthalmoscopy.
- Lecture 6: Pachymetry (non-contact and contact), A/B scan.
- Practice 6: Practise of Pachymetry (non-contact and contact), A/B scan.
- Lecture 7: The OCT.
- Practice 7: Practise of using the OCT scanner.
- Lecture 8: Correlation of visual complaints with relevant optometric tests.
- Practice 8: Practise of previously taught tests.

Lecture 9:	Correlation of visual complaints with relevant optometric tests.
Practice 9:	Practise of previously taught tests.
2 nd Mid-term	Second mid-term examination: practical assessment of previously taught tests.
Lecture 10:	Student-directed review of specific areas in the previous lectures, Q&A session.
Practice 10:	Practise of previously taught tests.
Final Exam	covering topics of all lectures.

RECOMMENDED TEXTS FOR OPTO 365

- 1) **Clinical Procedures in Optometry, J.B. Eskridge, J.F. Amos and J.D. Bartlett.**
- 2) **Clinical Procedures in Primary Eye Care, 3rd ed., by D.B. Elliott.**
- 3) **Primary Care Optometry 3rd ed., T. Grosvenor.**
- 4) **Optometric Instrumentation, D. Henson.**