**Ankara University Engineering Faculty Geological Engineering Department**

**GEO/JEM 220 OPTICAL MINERALOGY SYLLABUS**

|  |  |
| --- | --- |
| **Week** | **Course Description** |
| 1st | I. Description of the Light |
| 2nd | II. Polarizing light microscope and geological samples |
| 3rd | III. Refractive index and its measurement |
| 4th | IV. Optical classes - indicatrix theory |
| 5th | V. Uniaxial Interference Figures |
| 6th | VI. Uniaxial Interference Figures |
| 7th | Introduction to mineral identification using polarizing microscope |
| 8th | MIDTERM EXAM |
| 9th | Identifying minerals using polarizing microscope-1st week |
| 10th | Identifying minerals using polarizing microscope-2nd week |
| 11th | Identifying minerals using polarizing microscope-3rd week |
| 12th | Identifying minerals using polarizing microscope-4th week |
| 13th | Identifying minerals using polarizing microscope-5th week |
| 14th | Identifying minerals using polarizing microscope-6th week |
| 15th | General review |

 *Prof.Dr.Yusuf Kağan KADIOĞLU*