

Planning and Quality Assurance Affairs

Form (A)

Course Specifications

General Information

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| Course name | Physics Lab (1)(Optics) |
| Course number | PHYS2111 |
| Faculty | |
| Department | |
| Course type | College Needs |
| Course level | 2 |
| Credit hours (theoretical) | 1 |
| Credit hours (practical) | 1 |
| Course Prerequisites | |

Course Objectives

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| 1 - Familiarity with the use of specialized experimental techniques |
| 2 - Familiarity with the use of modern scientific equipment |
| 3 - The ability to communicate clearly , readably , and concisely the results and essentials features of an experiment |
| 4 - study the interference diffraction and polarization of light |
| 5 - study thr refractive index of material with different lights |

Course Contents

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| 1 - .Experiments in optics:Determination the focal length of lences,Michelson interferometer,Newton rings , Light interference, Diffraction of single slit, Dispersion of light, diffraction gratings, light polarization |
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