**Course No. : Phys 556**

**(Interstellar Matter- ISM)**

1- **Lecturer name**: Prof. Mohamed Saleh El-Nawawy

**References**: 1- Astronomy Today, eds : E. Chaisson and S. Mcmillan, 2002,

Prentice hall

2- Introduction to Modern astrophysics

**Course content:**

1- Introduction on ISM

2- Magneto-hydrodynamics (MHD)

  3- starformation, young stellar objects

4- HII region

4-Astrochemistry : dense clouds- diffuse clouds

5- Chemistry of : PNe – Planets - Comets

3- **Class activities**: attendance – communication in class ) 2 grades)

4- **Reports on**: (8 grades)

5- **schedule of exams:**

Two midterms(50 marks) – class activities(3,4) (10 Marks)- Final (40 Marks)