**Ankara Üniversitesi  
Kütüphane ve Dokümantasyon Daire Başkanlığı**

**Açık Ders Malzemeleri**

Course Syllabus Form

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| Course code and Title | **CHM348 INORGANIC MATERIALS IN MEDICINE** |
| Instructor | Assoc. Prof. Dr. Nurcan Acar |
| Course Level | Chemistry, Bachelor’s degree |
| Course Credits | 2 |
| Course Type | Elective |
| Course content | Essential elements and non-essential toxic elements. The enzymatic reactions that the essential elements activate. Structures of metal compounds used in imaging. Lithium, vanadium, zinc and iron containing drugs. Anti-cancer drugs containing Pt |
| Course goal | To understand the importance of the essential elements found in the human body and the diseases observed in the deficiency and excess of these elements. To have knowledge about the structures and functions of metal compounds used for imaging and treatment purposes. |
| Course duration | Two hours/week |
| Language of Instruction | English |
| precondition | none |
| Recomended references | Chemistry in Medicine, RS.C, Nicholas B. Farrel, Uses of İnorganic 1999.  Chris Jones, John Thornback, Medicinal Applications in Coordination Chemistry, RSC Publishing, 2007.  James C. Dabrowiak, Metals in Medicine, John Wiley & Sons Ltd. 2009 |
| Course Credits (ECTS) | 4 |
| Laboratory | - |
| Other-1 | - |