**Semester two**

**Subject:** Systematic medical bacteriology

Mission: To study the medically important bacteria with special emphasis on the common and important bacteriological disease in Iraq and the area.

Vision: Students should be able to understand the pathogenesis, identification, diagnosis, treatment of the common human bacteria.

Goals: Students should be aware of different effect of bacteria on the host and dealing with them accordingly

Class: **MSc. students**

Year: **2014-2015**

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| **Lec.No.** | **Lecture title (Theory)** |
| 1 | Gram- positive cocci |
| 2 | Gram- negative cocci |
| 3 | Gram- positive rods  |
| 4 | Sporulated bacteria/ Gram- positive rods |
| 5 | Gram- negative rods (enteric bacteria) |
| 6 | Pseudo , Bordetella and Haemophillus,ligeonella. |
| 7 | Zonootic Bacteriology Brucella spp. |
| 8 | Comma shaped and spiral bacteria |
| 9 | Mycobacteria |
| 10 | Mycoplasma |
| 11 | Chlamydiae |
| 12 | Rickettsiae |
| 13 | Actinomycetes, Nocardia  |
| 14 | Treponema |
| 15 |  |

**Practical Sessions:**

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| **No.** | **Practical Session Title** |
| 1 | Specimen collection and management |
| 2 | Direct & general examination of specimens. |
| 3 | Antimicrobial susceptibility |
| 4 | Gram- positive cocci |
| 5 | Gram- negative cocci |
| 6 | Gram- positive rods |
| 7 | Gram- negative rods (enteric bacteria) |
| 8 | Comma shaped and spiral bacteria |
| 9 | Brucella, pseudo |
| 10 | Mycobacteria |
| 11 | Actinomycetes, Nocardia |
| 12 | Mycoplasma |
| 13 | Chlamydiae, Rickettsiae Treponema, |