**The Syllabus for Molecular Embryology**

**(ZOO 537)**

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| **No** | **List of Topics** | **Date** |
| **1** | **Course content and requirements** | **3-9-2024** |
| **2** | **Molecular biology of gonad formation and Primordial Germ Cells** | **10-9-2024** |
| **3** | **Molecular biology of gametogenesis oogenesis and spermatogenesis** | **17-9-2024** |
| **4** | **Molecular biology of Fertilization** | **24-9-2024** |
| **5** | **Molecular biology of cleavage stage** | **1-10-2024** |
| **6** | **Midterm Exam** | **8-10-2024** |
| **7** | **Molecular biology of gastrulation stage** | **15-10-2024** |
| **8** | **Molecular embryology of invertebrate** | **22-10-2024** |
| **9** | **Molecular embryology of frog** | **29-10-2024** |
| **10** | **Molecular embryology of lizards and Birds** | **5-11-2024** |
| **11** | **Molecular embryology of mammals** | **19-11-2024** |
| **12** | **Term paper presentation** | **26-11-2024** |
| **13** |  | **3-12-2024** |
| **14** | **Final Exam** | **17-12-2023** |

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