

| # Class       | Day   | Date                    | Data          | Subject                                    | Main Reference  | Other References                   |
|---------------|---|-------------------------|---------------|--|-----------------|------------------------------------|
| 1             | Sunday  | 12 Bahman               | 01-Feb        | Central Force Motion I                     | TM - Chapter 8  | Tay-Ch8/ Gold- Ch3                 |
| 2             | Tuesday   | 14 Bahman               | 03-Feb        | Central Force Motion II                    | TM - Chapter 8  | Tay-Ch8/ Gold- Ch3                 |
| 3             | Sunday  | 19 Bahman               | 08-Feb        | Central Force Motion III                   | TM - Chapter 8  | Tay-Ch8/ Gold- Ch3                 |
| 4             | Tuesday   | 21 Bahman               | 10-Feb        | Dynamics of a System of Particles I        | TM - Chapter 9  | Tay-Ch14/Sym-Ch4                   |
| 5             | Sunday  | 26 Bahman               | 15-Feb        | Dynamics of a System of Particles II       | TM - Chapter 9  | Tay-Ch14/Sym-Ch4                   |
| 6             | Tuesday   | 28 Bahman               | 17-Feb        | Dynamics of a System of Particles III      | TM - Chapter 9  | Tay-Ch14/Sym-Ch4                   |
| 7             | Sunday  | 3 Esfand                | 22-Feb        | Dynamics of a System of Particles IV       | TM - Chapter 9  | Tay-Ch14/Sym-Ch4                   |
| 8             | Tuesday   | 5 Esfand                | 24-Feb        | Dynamics of a System of Particles V        | TM - Chapter 10 | Tay-Ch9/                           |
| 9             | Sunday  | 10 Esfand               | 01-Mar        | Motion in non-inertial Reference Frame I   | TM - Chapter 10 | Tay-Ch9/                           |
| 10            | Tuesday   | 12 Esfand               | 03-Mar        | Motion in non-inertial Reference Frame II  | TM - Chapter 10 | Tay-Ch9/                           |
| 11            | Sunday  | 17 Esfand               | 08-Mar        | Motion in non-inertial Reference Frame III | TM - Chapter 10 | Tay-Ch9/                           |
| 12            | Tuesday   | 19 Esfand               | 10-Mar        | <b>Midterm I</b>                           |                 | <b>End of Lecture 11</b>           |
| 13            | Sunday  | 24 Esfand               | 15-Mar        | Motion in non-inertial Reference Frame IV  | TM - Chapter 10 | Tay-Ch9/                           |
| <b>Nowruz</b> |   |                         |               |  |                 |                                    |
| 14            | Sunday  | 16 Farvardin            | 17-Mar        | Special Topics in Hamiltonian Dynamics III | Lecture Notes   | Gold-Ch8,9,10,12                   |
| 15            | Tuesday   | 18 Farvardin            | 05-Apr        | Special Topics in Hamiltonian Dynamics III | Lecture Notes   | Gold-Ch8,9,10,12                   |
| 16            | Sunday  | 23 Farvardin            | 07-Apr        | Dynamics of Rigid Bodies I                 | TM - Chapter 11 | Tay-Ch10/Sym-Ch5,11 / Gold - Ch4,5 |
| 17            | Tuesday   | 25-Farvardin            | 12-Apr        | Dynamics of Rigid Bodies II                | TM - Chapter 11 | Tay-Ch10/Sym-Ch5,11 / Gold - Ch4,5 |
| 18            | Sunday  | 30-Farvardin            | 14-Apr        |  |                 |                                    |
| 19            | Tuesday   | 1-Ordibehesht           | 19-Apr        |  |                 |                                    |
| 20            | Sunday  | 6-Ordibehesht           | 21-Apr        |  |                 |                                    |
| 21            | Tuesday   | 8-Ordibehesht           | 26-Apr        |  |                 |                                    |
| 22            | Sunday  | 13-Ordibehesht          | 28-Apr        |  |                 |                                    |
| 23            | Tuesday   | 15-Ordibehesht          | 03-May        |  |                 |                                    |
|               | <b>Thursday</b>   | <b>17 - Ordibehesht</b> | <b>07-May</b> | <b>Midterm II</b>                          |                 | <b>End of Lecture 22</b>           |
| 25            | Sunday  | 20-Ordibehesht          | 10-May        |  |                 |                                    |
| 26            | Tuesday   | 22-Ordibehesht          | 12-May        |  |                 |                                    |
| 27            | Sunday  | 27-Ordibehesht          | 17-May        |  |                 |                                    |
| 28            | Tuesday   | 29-Ordibehesht          | 19-May        |  |                 |                                    |
| 29            | Sunday  | 3-Khordad               | 24-May        |  |                 |                                    |
| 30            | Tuesday   | 5-Khordad               | 26-May        |  |                 |                                    |
| <b>31</b>     | <b>Sunday</b>   | <b>10-Khordad</b>       | <b>31-May</b> | <b>Presentation day</b>                    |                 | <b>All lectures</b>                |
| <i>TM</i>     | <i>Classical Dynamics - Thornton and Marion 5th edition</i> |                         |               |  |                 |                                    |
| <i>Tay</i>    | <i>Classical Mechanics - John R. Taylor</i>                 |                         |               |  |                 |                                    |
| <i>Sym</i>    | <i>Mechanics - K.R. Symon</i>                               |                         |               |  |                 |                                    |
| <i>Gold</i>   | <i>Classical Mechancis - Goldstein, Poole and Safko</i>     |                         |               |  |                 |                                    |