# LESSON PLAN

**Department:** Pulmonary Medicine  
**Period:** 5\(^{th}\) January 2016 to 26\(^{th}\) March 2016  
**Semester:** 6\(^{th}\) (Lectures)

<table>
<thead>
<tr>
<th>Sr. No</th>
<th>Date</th>
<th>Topic</th>
<th>Learning objectives</th>
<th>Teacher</th>
</tr>
</thead>
</table>
| 1      | 05/01/2016 | Applied anatomy and physiology of RS       | Anatomy of respiratory tract  
Respiratory muscles  
Control of respiration  
Gas transport        | Dr. Vinay Dharmadhikari                   |
| 2      | 12/01/2016 | Pneumonia                                  | Definitions  
Pathogenesis  
Pathology  
Risk factors  
Clinical features  
Diagnosis  
Assessing severity  
Treatment and natural progress  
Complications    | Dr. Damanjit Duggal                      |
| 3      | 19/01/2016 | Suppurative lung diseases (Bronchiectasis, Lung abcess) | Definitions  
Bronchiectasis  
Lung abcess  
Custic fibrosis  
Empyema        | Dr. Mahavir Bagrecha                     |
| 4      | 02/02/2016 | Pleural Effusion                           | Physiology and anatomy  
Transudates and exudates  
Etiology  
Diagnosticalgorhythm  
Treatment options  | Dr. Ankur Pathak                        |
| 5      | 09/02/2016 | Bronchial Asthma                           | Changing concepts  
Etiopathogenesis  
Clinical features  
Diagnosis  
Treatment of exacerbation  
Treatment of persistent asthma | Dr. M. S. Barthwal                    |
| 6      | 16/02/2016 | COPD                                       | Definitions  
Etiopathogenesis  
Pathology and pathophysiology  
Clinical features  
Diagnosis  
Treatment of exacerbations  
Maintenance therapy | Dr. M. S. Barthwal                    |
| 7      | 23/02/2016 | Occupational lung diseases                 | Classification  
Dust lung diaseases | Dr. Anand Yannawar       |
<table>
<thead>
<tr>
<th>No.</th>
<th>Date</th>
<th>Topic</th>
<th>Subtopics</th>
<th>Author</th>
</tr>
</thead>
<tbody>
<tr>
<td>8</td>
<td>01/03/2016</td>
<td>Mediastinum disorders</td>
<td>Anatomical compartments, General Mediastinal disorders, Localized tumors and masses, Clinical features, Diagnosis and treatment</td>
<td>Dr. Vinay Dharmadhikari</td>
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<tr>
<td>9</td>
<td>15/03/2016</td>
<td>Respiratory Emergencies (Hemoptysis, Pneumothorax)</td>
<td>Pneumothorax, Hemoptysis, Respiratory failure</td>
<td>Dr. Ankur Pathak</td>
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<tr>
<td>10</td>
<td>22/03/2016</td>
<td>Lung and pleural malignancies</td>
<td>Lung cancer causes, Clinical manifestations, Diagnosis and staging, Treatment and prognosis</td>
<td>Dr. TusharSahasrabudhe</td>
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<tr>
<td>11</td>
<td>29/03/2016</td>
<td>Syn-pneumonic effusion and Empyema</td>
<td>Definitions, Etiopathogenesis, Pathology, Clinical features, Diagnosis, Management</td>
<td>Dr. Damanjit Duggal</td>
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<tr>
<td>12</td>
<td>05/04/2016</td>
<td>Respiratory Failure</td>
<td>Definitions, Classification, Etiopathogenesis, Diagnosis, Management</td>
<td>Dr. TusharSahasrabudhe</td>
</tr>
<tr>
<td>13</td>
<td>12/04/2016</td>
<td>Intestinal Lung disease</td>
<td>Definitions, Etiopathogenesis, Pathology and pathophysiology, Clinical features, Diagnosis, Management</td>
<td>Dr. AnandYannawar</td>
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<tr>
<td>14</td>
<td>26/04/2016</td>
<td>Pulmonary Hypertension</td>
<td>Definitions, Etiopathogenesis, Pathology and pathophysiology, Clinical features, Diagnosis, Treatment, Maintenance therapy</td>
<td>Dr. MahavirBagrecha</td>
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# LESSON PLAN

**Department:** Pulmonary Medicine  
**Period:** 16\(^{th}\) December 2015 to 03\(^{rd}\) February 2016  
**Semester:** 8\(^{th}\) (Tutorial)

<table>
<thead>
<tr>
<th>Sr. No</th>
<th>Date</th>
<th>Topic</th>
<th>Learning objectives</th>
<th>Teacher</th>
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</thead>
</table>
| 1.     | 16/12/2015 | Lung function testing and ABG analysis     | History  
Spirometry indications, contra indications.  
Perform and interpretation.  
Wrong tests                                    | Dr. Vaibhav Pandharkar     |
| 2.     | 23/12/2015 | Asthma and Inhalational devices            | History  
Inhalation Devices  
Techniques  
Advantages and disadvantages                    | Dr. Shailesh Meshram      |
| 3.     | 30/12/2015 | Sputum collection and examination          | Methods of sputum collection  
Precautions to be taken while collecting sputum  
Indications for sputum examination  
Method of slide examinations                    | Dr. Prashant Singh        |
| 4.     | 06/01/2016 | Pulmonary Rehabilitation                   | Definitions  
Selection of patients  
components  
Program  
Breathing exercises                                  | Dr. Kundan Mehta          |
| 5.     | 13/01/2016 | Interventional (Tapping, ICD, Bronchoscopy, Pleuroscopy) | Indication and contraindications  
Selection of patients  
Procedure  
Complications  
Management of complications                       | Dr. Ajinkya Mhase         |
| 6.     | 20/01/2016 | Oxygen Therapy                             | Indication  
Contraindications  
Sources of oxygen therapy  
Clinical setting for application  
Complication of oxygen therapy                     | Dr. Vaibhav Pandharkar    |
| 7.     | 27/01/2016 | RNTCP- Modular training Part I             | As per training module                                                             | Dr. Dahitankar         |
| 8.     | 03/02/2016 | RNTCP- Modular training Part II            | As per training module                                                             | Dr. Dahitankar         |
### Lesson Plan of Clinical Posting

The clinical posting will be for a period of 2 weeks each in divided batches in the 8th semester. The posting will include following:

<table>
<thead>
<tr>
<th>Sr.no</th>
<th>Topic</th>
<th>No.of days</th>
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<tbody>
<tr>
<td>1.</td>
<td>History Taking</td>
<td>3 days</td>
</tr>
<tr>
<td>2.</td>
<td>General Examination</td>
<td>3 days</td>
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<tr>
<td></td>
<td>Activity</td>
<td>Duration</td>
</tr>
<tr>
<td>---</td>
<td>----------------------------------------------</td>
<td>-------------------</td>
</tr>
<tr>
<td>3</td>
<td>Respiratory system examination</td>
<td>3 days</td>
</tr>
<tr>
<td>4</td>
<td>Lung specimens and Instruments</td>
<td>1 day</td>
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<tr>
<td>5</td>
<td>X-Ray and procedures</td>
<td>1 day</td>
</tr>
<tr>
<td>6</td>
<td>Internal assessment exam of 20 marks each</td>
<td>1 day</td>
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<tr>
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<td>(On last day of clinical posting)</td>
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