

Schedule for “Contact angle meter” course

Session	Day – 1	Day – 2	Day – 3
Morning	<p><i>Introduction and theory</i></p> <p>Surface tension</p> <p>Contact angle</p> <p>Young’s equation</p> <p>Classification of surfaces</p> <p>Applications</p> <p>Instrument set up</p>	<p><i>Sessile drop experiment</i></p> <p>Statistics, error propagation, and analysis</p> <p>Surface free energy measurements of a solid</p> <p>Determination of polar and dispersive contributions</p>	<p><i>Three state measurement - I</i></p> <p>Experiment set up</p> <p>Aerophobicity of a solid</p>
	<p><i>Static contact angle measurements</i></p> <p>Sessile drop experiment on different surfaces</p> <p>Different approaches to determine contact angle</p>	<p><i>Dynamic contact angle measurements</i></p> <p>Advancing and receding angle measurements</p> <p>Sliding/Roll-off angle measurements</p> <p>Contact angle hysteresis</p>	<p><i>Three state measurement - II</i></p> <p>Aerophilicity of a solid</p> <p>Evaluation</p>

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Detail about the instrument is provided on the following link:

<http://crf.cens.res.in/facilities/GH-ContactAngle/>

