

MECHANICA[®] Advanced Training
– Vibration Analysis (1 day)

**In'-Tuition – In-house, Intensive training for Individuals
We come to you to deliver these courses.**

You use your own software, we supply the trainer.

**Standard Course :- £975 for 1 person, £1050 for 2 people, £1250 for 3 people.
Contact us for a quote if you have more people or for a customised course.**

Content as of 1st Dec. 2014

This course is for those with an Advanced Mechanics licence, It covers the vibration aspects in more depth than in the Intermediate course. Prior knowledge of Pro/ Engineer & Mechanica is required. The course contains a mixture of lectures and prepared examples. Students may also bring their own examples
Also see our other Advanced and Specialist Courses.

Gain an understanding of the theory of vibration and how Mechanics can improve your understanding of the impact of vibration on product durability. 1-day course covering the theory and application of Pro/MECHANICA Vibration when interrogating the dynamic response of structures. The course covers

- Introduction
- Theory of Vibration
- Modal Analysis
- Forced Vibration Analysis
 - Dynamic Frequency
 - Dynamic Time
 - Dynamic Random
 - Dynamic Shock
- Sensitivity & Optimisation
 - Modal Analysis
 - Forced Vibration
- Hints, Tips & 'Tricks'
 - Special cases
- Reviewing & Interpreting Results

If required, the course can be extended with an extra day to look at using Mechanics's vibration results to investigate fatigue, or to cover your own projects.

Pre-requisite : Previous Pro/Engineer & Pro/Mechanica experience or training

Note: It may not be possible to get through everything in the time, in which case the most appropriate items will be selected.

*Prices include travel expenses for sites within 100 miles of Northampton, but not VAT. Extra expenses may be charged for other sites.
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