

**NX Nastran 11.0**

**DDAM Analysis with Femap for Pre/Post (G2H)**

Course Code NXNAS410

User Level Intermediate

Language English

Price \$1,100.00 (USD) (Price may not include taxes applicable to your billing region)

Training Center Duration 1 Day

For More Information Learning and Adoption Services, USA ([training.usa.plm@siemens.com](mailto:training.usa.plm@siemens.com))

**(G2H) Guaranteed to Hold.** Select [Here](#) for more information about G2H courses.

The **DDAM Analysis with Femap for pre/post** course offers training in the performance of the Dynamic Design Analysis Method using NX Nastran. DDAM is a U.S. Navy-developed analytical procedure for evaluating the design of equipment subject to shock loading. The student will learn to use the NX Nastran DDAM solution (SOL 187) through a presentation of lecture materials and the completion of example problems. The class is focused on NX Nastran and most of the material applies independently of pre- or postprocessor. However, additional material is available for demonstration of use with Femap.

**WHO SHOULD ATTEND**

This course is intended for finite element analysts who need to perform shock analysis per the Navy's DDAM procedure.

**COURSE TOPICS**

- Introduction to DDAM theory
- Shock spectra calculations per NRL memorandum 1396
- Mode selection criteria
- Closely spaced modes
- Methods for stress summation including the NRLSUM
- Running and interpreting DDAM solutions in Nastran

**PREREQUISITES**

Required courses:

- NX Nastran Introduction to Dynamic Analysis with Femap (G2H) (NXNAS120)

- Basic understanding of finite element analysis principles, statics, solid mechanics, and basic dynamics.

**PROVIDED COURSE MATERIAL**

- Student Guide
- Activity Material