

Basic Metallurgy of Ductile Iron

Short-Format Internet Course

Course Summary: Great for new employees or anyone wanting a basic introduction to ductile iron metallurgy, this course covers the following topics:

- The members of the cast iron family
- Comparisons of the cast iron family
- The specifications of the cast iron family
- The chemistry of the cast iron family
- Inoculants used to create ductile iron
- Production problems
- Changes in properties when production problems occur
- The microstructure of ductile iron
- The alloy content of ductile iron
- Treatment methods
- Physical limitations
- Nodulizing problems
- Process control

Presenter: Gene Muratore, Rio Tinto Iron & Titanium America

Presentation Time: 48 minutes, not including assessment

Format: one of CMI's new, short-format internet courses, this is an on-demand, completely self-paced course. You have 30 days to complete the course once registered. Taken through CMI's e-learning website <http://castmetalselearning.com>, individuals view a narrated presentation and complete an assessment to test comprehension. A PDF copy of the presentation is available for download, and certificates of completion become available for printing after passing the assessment.