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BRD1001	21-Aug-07	Design of Integral Abutment Bridges	Allistair Fussel
BRD3001	29-Apr-09	An Introduction to Network Arch Bridges	Michael Chan & Raed El Sarraf

### Careers & Training

CTR1001	23-Aug-07	Steel Construction and Related Qualifications	Simon Keown
CTR1002	23-Aug-07	Developing a New Qualification	Simon Keown
CTR1003	28-Nov-07	Qualificatin Level Descriptions	Simon Keown
CTR2001	28-Nov-07	Techniques for the Assessment of Competence	Simon Keown
CTR2002	28-Nov-07	What is Verification of Evidence?	Simon Keown
CTR6001	01-May-07	Gateway - Structured Workplace Learning for Students	Simon Keown
CTR6002	01-May-07	Modern Apprenticeships	Simon Keown
CTR6003	01-May-07	STAR - Secondary Tertiary Alignment Resource	Simon Keown
CTR6004	01-May-08	Employment Opportunities on the SCNZ Website	Simon Keown

### Coatings

CTG1001	28-Nov-07	An Overview of the New Zealand Steelwork Corrosion Coatings Guide	Raed El Sarraf
CTG1002	28-Nov-07	How to Specify a Corrosion Protection Coating System	Raed El Sarraf
CTG1003	01-May-08	Preventable Coating Defects	Raed El Sarraf
CTG1004	07-Nov-08	Durability of Attachments to Glass-Fibre Reinforced Concrete Panels	Kevin Cowie
CTG1005	12-Feb-09	Primers for Steel: Their Purpose and Performance	Michael Williams
CTG1006	20-Oct-09	Steel Corrosion Rates in Water and Soil	Kevin Cowie

### Composite

CMP1001	28-Nov-07	How to Use SteelDeck	Xiao Huantian
CMP1002	27-Nov-07	Composite Steel Beam Behaviour with Precast Rib Flooring	Allistair Fussel
CMP1003	07-Nov-08	Durability of Composite Decks Exposed to Surface Water	Kevin Cowie; Clark Hyland
CMP1004	07-Nov-08	Suspended Slabs Flatness Tolerances	Kevin Cowie; Clark Hyland
CMP1005	07-Nov-08	Suspended Slabs Level Tolerances	Kevin Cowie; Clark Hyland
CMP1006	08-Feb-10	Fire Design and Serviceability Issues – Metal Deck Slabs subject to Concentrated Loading	Allistair Fussel; Clark Hyland; Charles Clifton

### Connections

CON1001	26-Aug-09	Moment End Plate - Column Side	Kevin Cowie
CON1002	26-Aug-09	CHS Collar Joints	Kevin Cowie
CON1101	26-Aug-09	Semi-Rigid Sliding Hinge Joint	Kevin Cowie
CON3001	27-Oct-09	Transverse Slotted Holes Design Bearing Strength	Kevin Cowie

### Earthquake

EQK1001	30-Oct-09	Steel Performance in the Padang Earthquake 2009	Clark Hyland & Scott Wilson
EQK1002	09-Jul-10	Research, Development and Design Rules of Moment Resisting Seismic Frames with Reduced Beam Sections	Kevin Cowie

EQK1003	09-Jul-10	Design Considerations and Benefits of Moment Resisting Seismic Frames with Reduced Beam Sections	Kevin Cowie
EQK1004	09-Jul-10	Design Example of Moment Resisting Seismic Frames with Reduced Beam Sections	Kevin Cowie

### Environment

ENV1001	01-May-08	Proceedings of the Sustainable Steel Construction Seminars April 2008	Clark Hyland & Micheal Sansom
ENV1002	27-Jan-09	Structural Steel Reuse Protocol	Allistair Fussel
ENV1003	16-Jan-09	Comparative Study - Reuse Steel	Allistair Fussel

### Erection & Construction

ERC1001	30-Apr-08	High Strength Structural Bolting	Clark Hyland
ERC1002	02-May-08	Pre-Tensioning of High Strength Holding Down Rods	Kevin Cowie
ERC1003	27-Apr-09	Extending High Tensile Anchor Rods with Couplers	Kevin Cowie
ERC1004	29-Jun-09	Sleeved Holding Down Bolts	Kevin Cowie

### Fire

FIR1001	12-Feb-09	Fire Engineering Design and Steel Standard Revision	Charles Clifton
FIR1002	21-Apr-09	Fire Rating Questioned on Post Tensioned and Prestressed Concrete Slabs	Kevin Cowie

### General

GEN2001	01-May-08	Steel Structures Standard Revision - Construction	Allistair Fussel
GEN2002	21-Mar-09	NZS3404.1 Steel Structures - Materials, Fabrication and Construction	Clark Hyland
GEN3001	03-Jul-09	Maximum Spacing of Thermal Movement Joints	Kevin Cowie
GEN7001	27-Apr-10	Portal Frame Design Tips Seminar Proceedings	Clark Hyland

### Housing

HUS1001	28-Nov-07	Steel in Housing Web Design Aid Tutorial	Xiao Huantian
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### Materials

MAT1001	27-Nov-07	Design Yield Stress vs Mill Certificate Yield Stress	Clark Hyland
MAT1002	30-Apr-08	New Performance Requirements for Seismic Steel	Clark Hyland
MAT1003	20-Nov-07	Steel Availability in New Zealand	Clark Hyland
MAT1004	27-Nov-07	Non-Standard Plate and Large Hot Rolled Beam Availability	Allistair Fussel
MAT1005	03-Jul-09	Properties and Assessment of Historical Structural Steelwork	Kevin Cowie
MAT2001	05-Feb-09	Performance of the Mercer Off-Ramp Weathering Steel	Raed El Sarraf; Clark Hyland

### Member Design

MEM1001	22-Dec-09	Hot Rolled I Sections Seismic Category Classification	Kevin Cowie; Alistair
MEM1002	22-Dec-09	Welded I Sections Seismic Category Classification	Kevin Cowie; Alistair
MEM2001	16-Dec-09	Lateral Restraint of Yielding Regions in Columns and Beams in Multi-Storey Buildings	Charles Clifton
MEM3601	17-Mar-09	Deep Rafter Stability	Allistair Fussel

### Structural Analysis

ANA5201	14-Jul-10	Design Example - Analysis and Design of Jib Crane
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Charles Clifton;

