



Continuing Education - short module - Thermoplastics

KEY WORDS

MANUFACTURING
PROCESS,
EXTRUSION,
INJECTION,
PLASTICS
MANUFACTURING

MAIN CONTENTS

Processes: general information.
Introduction to injection molding processes.
Profile extrusion processes, extrusion-blowing.
Plastic manufacturing processes.
Composite material processing techniques

COURSE DYNAMICS

This course provides an overview of polymer processing technologies, combining theory with practical exposure to industrial production. It covers injection molding, extrusion (profiles, film blowing, blow molding, calendering), thermoforming, and thermoset processing. Students examine machines, process parameters, tooling, and production cells. Practical sessions include observing production lines, molds, extrusion heads, material handling, and plastic welding techniques.

LANGUAGE

French

EVALUATION METHODOLOGY

Final applied project.

CONTACT US

frederic.fradet@univ-lorraine.fr

<https://itineraireplasturgie.plastinnov.org/index.php>

[Université de Lorraine](#)

Topic area

Materials technology



Format

Lectures, workshops,
laboratory work – 42hs



Level

Short course



Training certificate

