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HP 3D Printing Education Curriculum 소개

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HP 3D Printing and Digital Manufacturing



HP에서 준비하는 적층 제조 교육 과정

(ADDITIVE MANUFACTURING CURRICULUM TEACHING AIDS TO EDUCATE THE FUTURE WORKFORCE)

- 대학 학부 과정용
- 8개 주제별 모듈형태로 제공
- 제공형태:
 - 파워포인트
 - 사용자 가이드 포함
 - 개인 사용 및 학내 과정에 있어서 선택적으로 본 내용 사용

Module 1 <i>Design for innovation and sustainability</i>	Module 2 <i>Industry 4.0 – Digital Manufacturing</i>	Module 3 <i>HP MJF technology in the existing manufacturing spectrum</i>	Module 4 <i>Design to technical material properties</i>
Module 5 <i>Practical modeling – deconstructing real world needs</i>	Module 6 <i>Advanced design considerations for HP MJF</i>	Module 7 <i>Adapting student projects to industry scenarios</i>	Module 8 <i>Economics of 3D printing and digital manufacturing</i>

사용가능

2020년 연말 예정

FOUNDATION CURRICULUM

- 8개 주제별 모듈 (상단 우측)
- 무료 제공
- 모든 교육 기관 대상

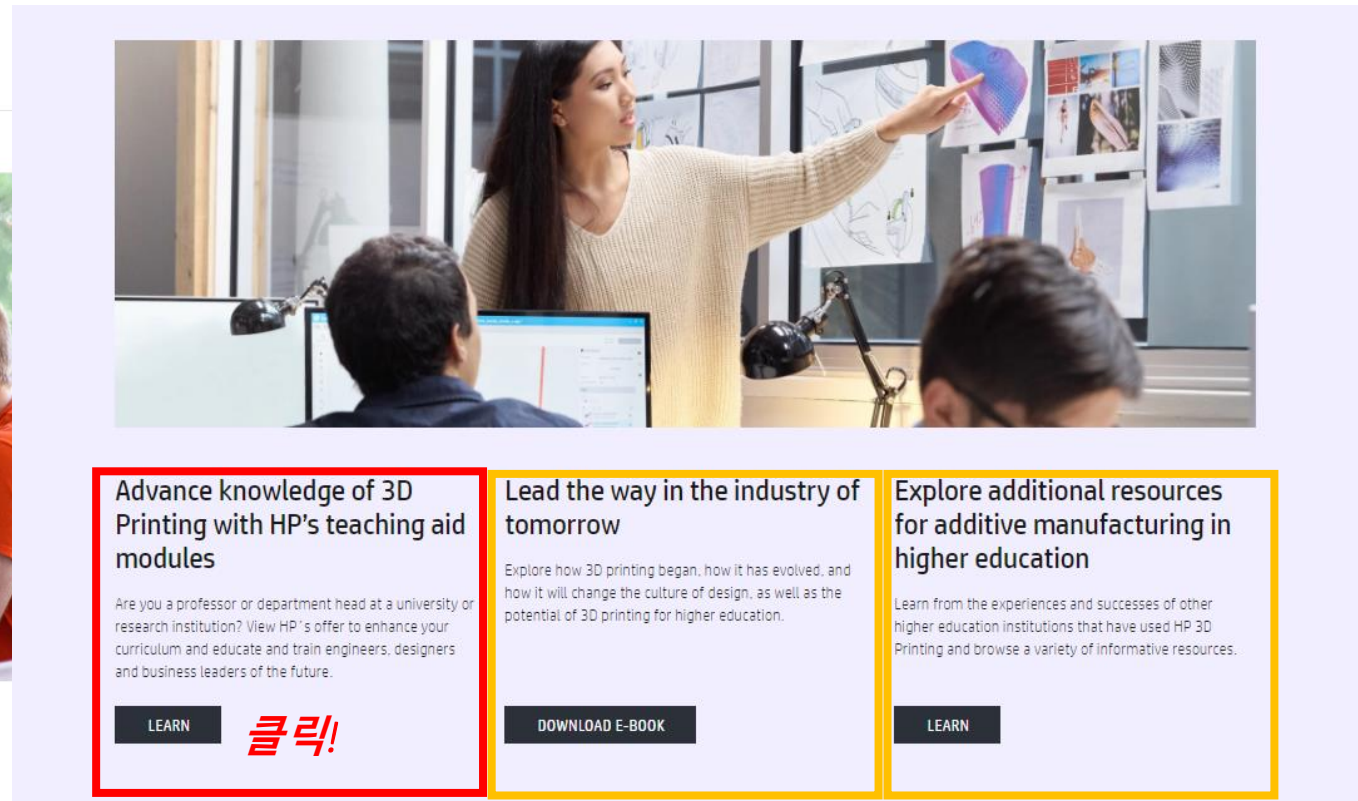
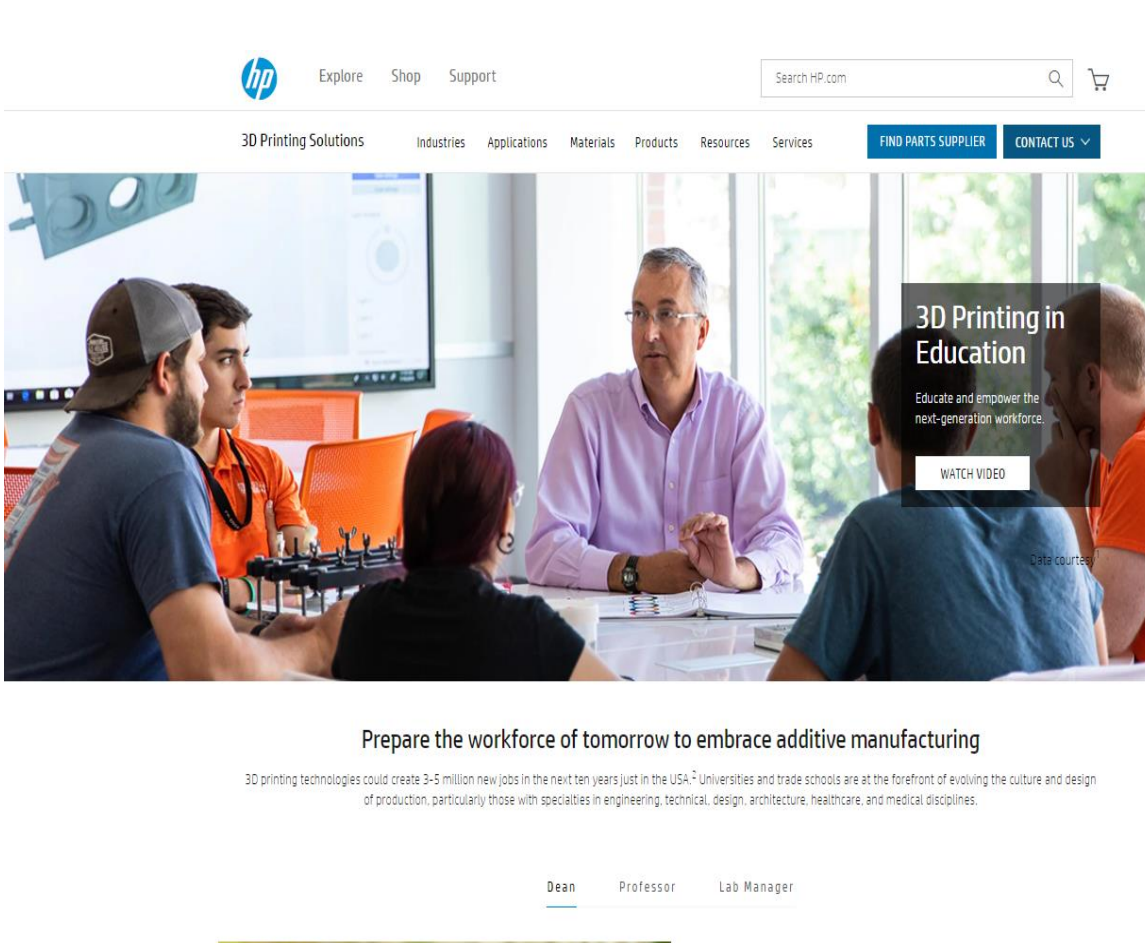
PREMIUM CURRICULUM

- 좌측 Foundation Curriculum 외 HP시험 및 인증제도 접근이 허용
- \$2,000에 해당하는 Design-for-MJF과정 추가 제공 및 산업 case study제공
- HP 3D Printer 도입 고객께 bundle 형태로만 제공
- 학위인증 기관 및 필수 과정으로 포함하는 해당기관에 해당.
- **교육기관 고객 대상 프린터 가격 혜택**



HP 3D 프린팅 Education 사이트 안내

1. CLICK: <https://www8.hp.com/us/en/printers/3d-printers/education.html>



1. 커리큘럼

2. E-book 요약

3. CASE STUDY

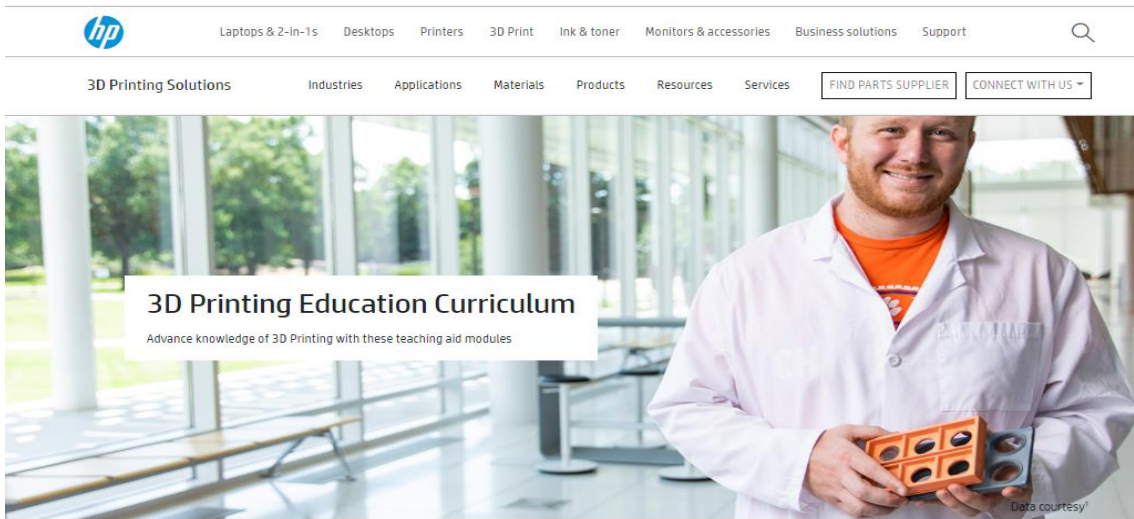
HP Multi Jet Fusion technology brings ideas to life

Produce quality parts and functional prototypes and reach across multiple disciplines within your institution from engineering to architecture to fashion design. Forge new ways to collaborate with full-color, functional parts printed using HP Jet Fusion 3D printers.⁵



과정내용 다운로드

1. CLICK: <https://reinvent.hp.com/us-en-3dprint-education-curriculum>



Choose from one, a handful, or all modules—and easily incorporate them into your courses, labs, or technology centers.



Choose from one, a handful, or all modules—and easily incorporate them into your courses, labs, or technology centers.



1. Design for innovation and sustainability

Understand how additive manufacturing will align with megatrends and help foster innovation by equipping yourself and your students with the available 3D printing technologies.

Download

클릭!



2. Industrie 4.0

Dive deep into Industrie 4.0 and the relevant areas of additive manufacturing in order to discover how digital production enabled by 3D printers will dramatically change the product development and product life cycles.

Download



3. HP MJF in the existing manufacturing spectrum

Understand how additive manufacturing fits into the manufacturing technologies space. Compare traditional manufacturing technologies and their capabilities for industrial production.

Download



4. Design for technical material properties

Examine existing parts and discuss how they can be transformed for additive manufacturing. Use resources such as use cases to learn how to overcome the limitations and restrictions of traditional technologies and get acquainted with the design basics for additive manufacturing.

Download

과정내용 다운로드

2.

Welcome back dohyung to the HP 3D Printing Education Curriculum page.

Please fill in a few additional questions to receive the module requested.

In which college or area of study will this curriculum be used?

Check here if you will be the one to teach students using this curriculum content.

Otherwise, what is the name of the person(s)?

Check here if you are the one who manages 3D printers at your institution.

Otherwise, what is the name of the person(s)?

Check here if you are the one responsible for identifying 3D printer needs at your institution.

Otherwise, what is the name of the person(s)?

Check here if you are the one responsible for recommending 3D printer models best suited to meet your institution's needs.

Otherwise, what is the name of the person(s)?

Check here if you are the one with the authority to approve the purchase decision for 3D printers.

Otherwise, what is the name of the person(s)?

Submit

HP 관련 > FY20 > 10월 교육용 세미나 > 교육과정



HP_3D_Module1
_Design_for_inno
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HP_3D_Module1
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예시) Module 1 *Design for innovation and sustainability*

Default Section

1 ★



2 ★



3 ★



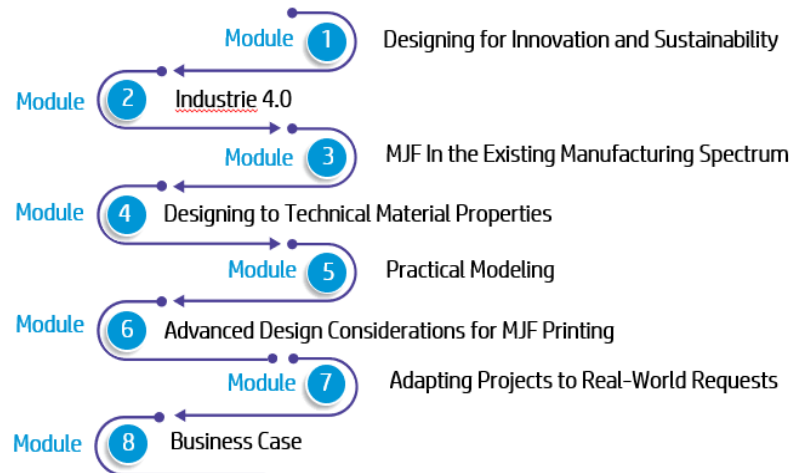
4 ★



5 ★



6



In this curriculum you will acquire the basic knowledge to understand how additive manufacturing can and will change the industrial production, and how parts will change and have to be designed differently to fully unlock the potential of 3D printing.

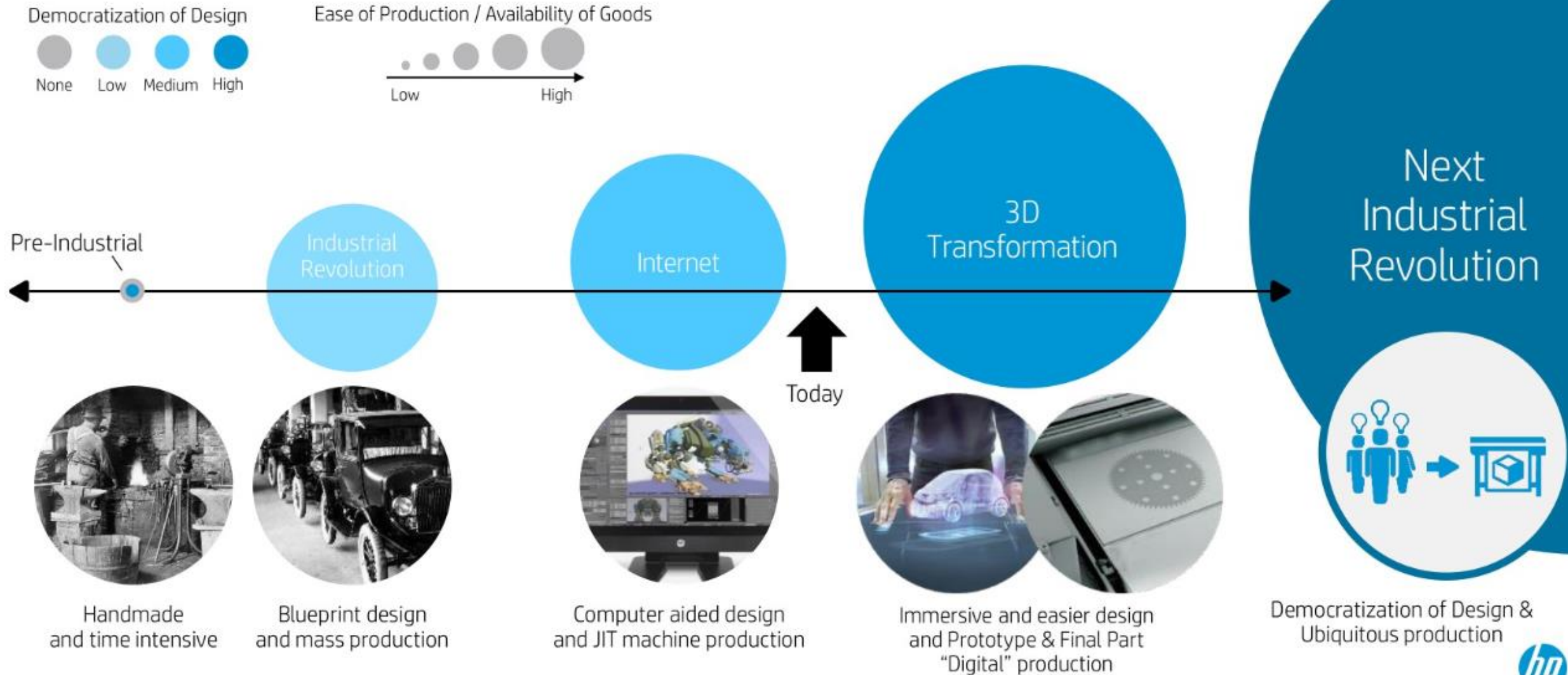
In module 1 we will outline the journey towards a wide adoption of additive manufacturing in production. How AM will support the developments of the upcoming Megatrends and how it will foster innovation toward a different product development and consumption. We will explain the different 3D printing technologies available and how they work and compare. Also we will touch on what still needs to be invented and researched to bring Additive Manufacturing to the next stage and drive new applications and use models.



The purpose of education is to develop students' desire and ability to think and learn **about the world around them**. Further, the purpose is to learn how to develop relationships that will enable students to work with their peers, throughout their schooling and beyond



DRIVING THE NEXT INDUSTRIAL REVOLUTION BY REINVENTING 3D





keep reinventing