



# **Hybrid teaching and learning mode during and post-pandemic**

---

May 4<sup>th</sup> , 2022

**Beijing Forestry University**

Mr. Lin Yu, Deputy Director, International Relations Office



# CONTENTS

**1**

Development of China's Online Forestry Education

**2**

China's Online Forestry Education in Response to the COVID-19



## ■ Development of China' s Online Forestry Education

## Four steps of the Development of MOOC

### 共识 Consensus

- ◆ Modern tendency
- ◆ Inevitable trend

### 共建 Jointly development

- ◆ Digital Textbook
- ◆ MOOC
- ◆ Quality Regulations
- ◆ Copyright

### 共享 Sharing

Course selection:

- ◆ hard courses (for knowledge)
- ◆ easy courses (for credits)

### 公认 Common Authentication

- ◆ Guidance by university
- ◆ Authentication and mutual recognition of credits
- ◆ Course fee?
- ◆ Certificate/ diploma?

## World MOOC Congress 2020

- **Beijing Declaration on World MOOC Development**
- **World Alliance of MOOC**

During the past 40 years, China has learnt a lot from higher education of countries all over the world.

In the coming years, China will contribute to world higher education development by providing China Experience and China Solutions.

**Participant**



**Contributor**



BEIJING  
FORESTRY UNIVERSITY

北京林业大学

1952



**May 8<sup>th</sup>, 2014**, BFU initiated the National Alliance for Forestry University Online Course Resource, with 10 national forestry education institutions.



**May 16<sup>th</sup>, 2016**, BFU launched the National Alliance for Forestry Extension Education Online Course Resource.



In **December 2014**, BFU initiated Education Informatization Branch of China Education Association of Forestry.



In **May 2016**, the first annual academic meeting of Education Informatization Branch of China Education Association of Forestry was held in Nanjing Forestry University.

## Online Courses

**Sustainability Forest Management in a Changing World**

This course provides an overview of the criteria and indicators that are used worldwide to guide sustainable forest management practices and explains how these will vary in a changing climate.

[Start learning](#) [Course forum](#) [Homework](#) [Resources](#)

**Governance, Public Relationship and Community Development**

This course highlights the importance of understanding and effectively managing the social or human dimension of forestry as a requisite to achieving the goal of sustainable forest management.

[Start learning](#) [Course forum](#) [Homework](#) [Resources](#)

**International Dialogue on Forestry Issues**

This course addresses the origins, development and current status of international policy debate related to natural resources management in general and forests in particular.

[Start learning](#) [Course forum](#) [Homework](#) [Resources](#)

**Restoration of Degraded Forest Ecosystems & Forest Plantation Development**

This is a course about the principles and practice of tree growth for restoration of degraded forests and for forest plantation development.

[Start learning](#) [Course forum](#) [Homework](#) [Resources](#)

**Sustainable Use of Forest Ecosystem Services**

This course focuses on the sustainable production, utilization, and marketing of wood and other non-timber forest products (NTFP) in conjunction with the promotion of the sustainability of forest ecosystem services.

[Start learning](#) [Course forum](#) [Homework](#) [Resources](#)

**Forest Resource Management and Protection**

This course will focus on managing the key factors that impact the quantity and quality of forest resources such as tree growth, disturbances like invasive species and fire, human management, and socio-economic factors.

[Start learning](#) [Course forum](#) [Homework](#) [Resources](#)

## Innovative Sustainable Forest Management Education in the Asia-Pacific Region



Innovative Sustainable Forest Management Education in the Asia-Pacific Region  
Project duration January 1, 2013-December ...



Course 6 “Forest Resource Management and Protection”  
Leading professor Youqing Luo and Yong Liu (BFU)





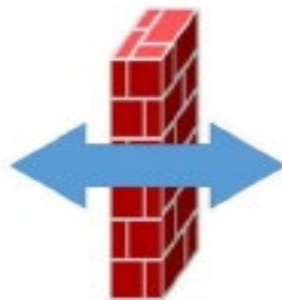
■ **China' s Online Forestry Education in response to the COVID-19**

## 2 China's Online Forestry Education in Response to the COVID 19

It's an unprecedented national online education campaign of profound significance.

University: 1454	Teacher: 952,000+
Online course: 7,130,000+	Person-time of online study: 1.18 billion

**Traditional Education**



**Online Education**



BEIJING  
FORESTRY UNIVERSITY

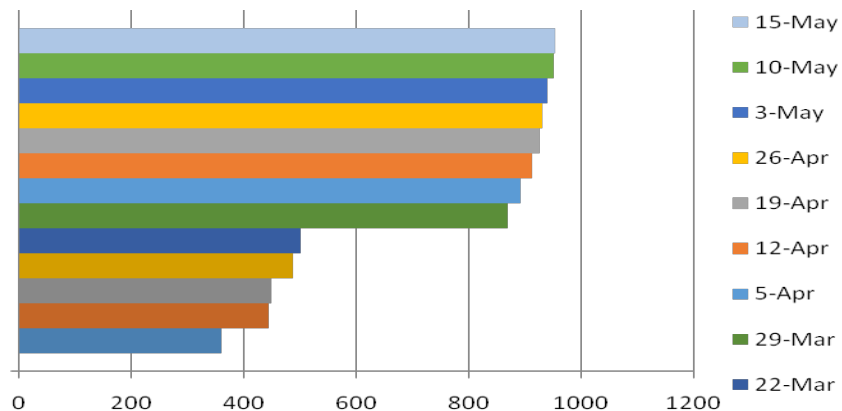
北京林业大学

1952

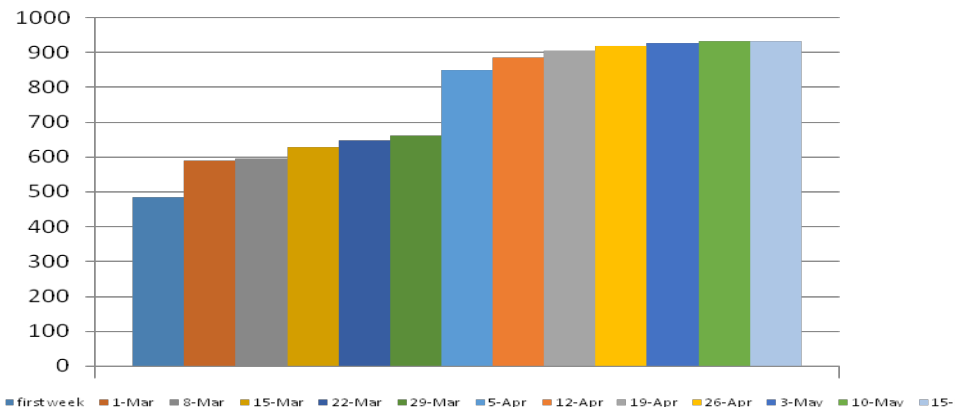


## 2 China's Online Forestry Education in Response to the COVID 19

Till May 15, **934** BFU teachers launched **953** courses, with the person-time of online study over **1,256,900**.



Weekly increase of BFU online courses



Teachers delivering online courses



BEIJING  
FORESTRY UNIVERSITY

北京林业大学

1952

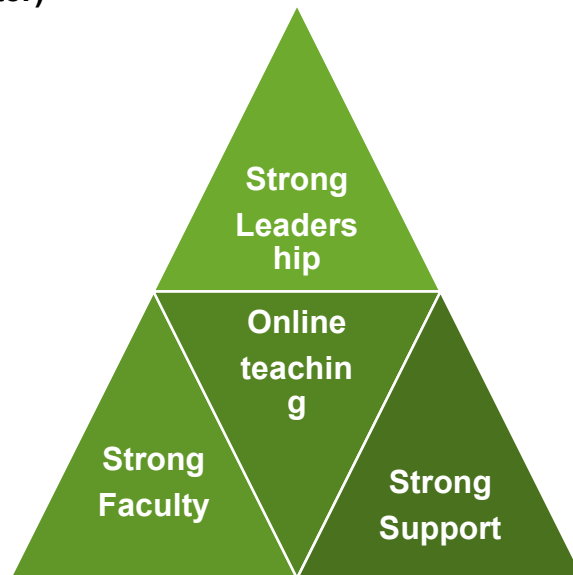


## Survey of online courses for BFU undergraduates

(First week of 2020 Spring Semester)

**591** undergraduates, **289** classes, **60.21%** of BFU undergraduates

- **95.94%** students are able to participate in online learning
- **95.26%** students are satisfied with online learning
- **98.65%** students are able to master what they have learnt online
- **70.05%** students are satisfied with online interaction with their teachers
- **80.20%** students are satisfied with the online course arrangement and the learning resources
- **78.34%** student parents are satisfied with the online teaching

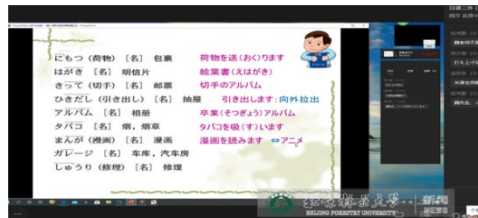
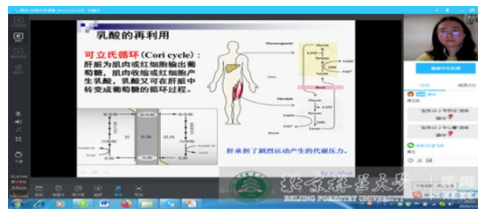


## A Challenge for BFU teachers

**93%** of the teachers gave “live” courses,  
**99%** teachers are satisfied with the students' performances.

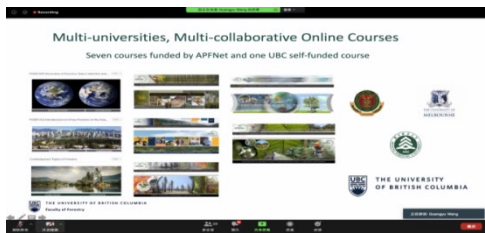
All tests, quizzes and thesis defense are conducted online.

**Abnormal** → **New normal**  
**Worried** → **Confident**  
**Unfamiliar** → **Experienced**



## Multi-universities, multi-collaborative online courses (February 22 – May 22)

- **BFU, UBC,** and **6** other Chinese forestry-related universities
- **8** online courses covering all aspects of forestry for 1565 registered students in the AP region
- **8** BFU teachers responsible for Forest Resource Management and Protection



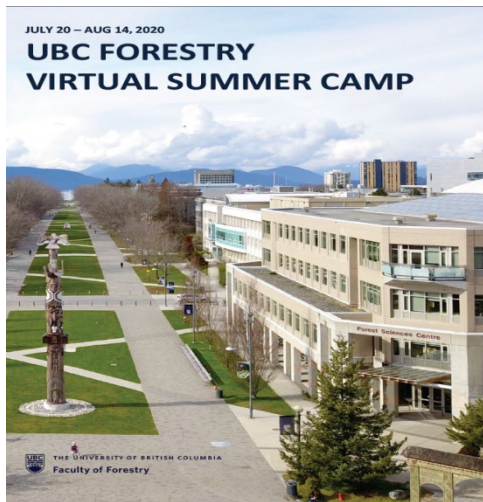
Enrolment Undergraduate students, Graduate students, Professionals

Course	Registration	Active students	Completion	Passing Rate
FODE 001 - Sustainable Forest Management in a Changing World	237	197	144	73.1%
FODE 002 - Forest Governance, Public Relations & Community Development	118	97	58	59.8%
FODE 003 - International Dialogue on Forestry Issues	107	74	55	74.3%
FODE 005 - Restoration of Degraded Forest Ecosystems & Forest Plantation Development	298	261	161	61.9%
FODE 009 - Geomatics in Forestry: Data Collection and Management	221	162	82	50.6%
FODE 012 - Introduction to Urban Forestry in the Asian Pacific Region	144	117	78	66.7%
FODE 101 - Contemporary Topics in Forestry	216	163	100	61.3%
FODE 306 - Forest Resource Management and Protection (BFU)	224	95	69	72.6%
Total	1565	1366	747	64.1%



## UBC Forestry Virtual Summer Camp (2020,2021)

- **1** month intensive online activities, **2** online courses on forest management, **5** cultural and interactive sessions
- **24** BFU students join with dozens of students from other Chinese forestry-related universities



### ABOUT COURSES

#### Course I. Sustainable Forest Management in a Changing World

The course provides an overview of the criteria and indicators that are used worldwide to guide sustainable forest management practices and explains how these will vary in a changing climate. It examines the evolution of sustainable forest management, particularly in relation to internationally agreed criteria of sustainable forest management. It adds to this discussion by looking at forest management through the lens of climate change.



#### Course II. Forest Management and the Effects of Carbon

Humans use carbon-based molecules in almost all aspects of daily life – food, shelter, clothing, transportation, and power generation are but a few examples. Unfortunately, deforestation, land degradation, and fossil fuel emissions are responsible for the build-up of carbon in the atmosphere. This is causing the atmosphere to heat up which, in turn, is changing the global climate.

### WHO CAN JOIN

- Forestry
- Natural Resources Conservation
- Agricultural and Forestry Economy Management
- proficient in English and have a strong academic background

### HOW TO APPLY

Please click [HERE](#) to apply, or Scan the QR Code



Fee of \$1,000 CAD  
Per Student Includes



THE UNIVERSITY OF BRITISH COLUMBIA  
Faculty of Forestry



BEIJING FORESTRY UNIVERSITY

北京林业大学

1952



## 2 China's Online Forestry Education in Response to the COVID 19

- Based on China's experiences, **UNESCO** launched distance learning solutions in response to the COVID 19 educational disruption.
- A series of Chinese online education platforms such as Icourses, Mosoteach, Dingtalk, Lark are involved in the international cooperation of online higher education and more are to come.



BEIJING  
FORESTRY UNIVERSITY

北京林业大学

1952





# Thank you!



BEIJING  
FORESTRY UNIVERSITY

北京林业大学

