

# Experimental Use of WebClass

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## FIG Working Week 2016

CHRISTCHURCH, NEW ZEALAND 2-6 MAY 2016

Recovery

from disaster

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## Content

- Background
- What is the WebClass?
- How I used it as the first step
- Why is e-learning important in future?
- Next step



## Background

- A invitation mail to WG2.2 from the Chair
- How can I contribute for innovative learning?
- FIG publication 46 by Commission 2 “Enhancing Surveying Education through e-Learning”
- E-learning helps me save time
- E-learning tool “WebClass” has already been existing in the Education Affair Management System of Saitama University.



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## Education Affair Management System

Last Login: 4/25/2016 4:58:19 PM 2016年4月26日 10:36:24

Logout Font size    日本語 |

### Nakahori, Yoshiro

Top page
Messages
Grades information
Syllabi
Supervised students

Class Information
Que. Responses
Que. Results
Lost/found items
Login history
web class

**Messages**

[You have 0 new messages](#)

Manual

Jump to selected date

Refresh

Previous week

Next week

Schedule table							
	4/18 (Mon)	4/19 (Tue)	4/20 (Wed)	4/21 (Thr)	4/22 (Fri)	4/23 (Sat)	4/24 (Sun)
08:00							
09:00							



## What is WebClass?

- Commercial e-learning system created for Japanese universities by DATA PACIFIC (JAPAN) LTD
- User : 93 universities (as of Aug. 2015) including Saitama University
- Class support system
- Learning Management System as stated in the FIG Publication 46 p15-16.
- Accessible with PC, smart phones and tablets



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## Top page of WebClass

» Logout
Login as a Student

> Course Selection

» Course list

中堀 義郎 is logged in.

User Management

» Account Alteration

» Switch to smart-phone view

Link

Notices from administrator
New message

Newest top 5 (total: 0)

No Notices

» Notices

**Class Schedule Table**
2015 ▼
3rd-4th ▼
» Back to today's schedule

	*Monday*	Tuesday	Wednesday	Thursday	Friday	Saturday
1st						
2nd						
3rd					» 測量学 I	
4th					» 測量学実習	
5th						
6th						
7th						
8th						

» Manuals are downloadable.



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## Course Menu and Contents List

» Logout Login as a Student Message My reports Notebook

» Course Selection > Course Menu

» 測量学実習

中堀 義郎 is logged in.

- [+] Contents Management
- [+] Attendance Management
- [+] Record Management
- [+] User Management
- [+] Course Management
- [+] e-Portfolio
- [+] Study Card

» Manuals are downloadable.

**Assessment** » Create New » Edit/Delete » List arrangement

- » レポート再提出 中堀 義郎 2015-11-13 15:32:53 » Edit » History[6]
  - Valid Period(d/m/y) [13/11/2015 15:29 - 13/11/2015 23:59]
  - Course Manager can access unlimited times
- » 多角測量レポート 15-12-13 10:30:58 » Edit » History[102]
  - Valid Period(d/m/y) [13/11/2015 15:29 - 13/11/2015 23:59]
  - Course Manager can access unlimited times
- » 水準測量レポート 中堀 義郎 2015-11-11 14:30:59 » Edit » History[127]
  - Valid Period(d/m/y) [11/11/2015 14:30 - 11/11/2015 23:59]
  - Course Manager can access unlimited times
- » 第2回実習レポート 中堀 義郎 2015-10-11 20:48:56 » Edit » History[167]
  - Valid Period(d/m/y) [11/10/2015 20:49 - 16/10/2015 12:30]
  - This contents is for limited users. » Show target users
  - Course Manager can access unlimited times
- » 第2回実習レポート その2 中堀 義郎 2015-10-11 20:52:55 » Edit History[0]
  - Valid Period(d/m/y) [11/10/2015 20:49 - 16/10/2015 12:30]
  - This contents is for limited users. » Show target users
  - Course Manager can access unlimited times
- » 第3回実習レポート 中堀 義郎 2015-10-14 16:08:03 » Edit » History[98]
  - Valid Period(d/m/y) [16/10/2015 17:50 - 23/10/2015 12:30]
  - This contents is for limited users. » Show target users
  - Course Manager can access unlimited times
- » 第4回実習レポート 中堀 義郎 2015-10-29 22:42:51 » Edit » History[82]
  - Valid Period(d/m/y) [28/10/2015 23:02 - 30/10/2015 23:59]
  - This contents is for limited users. » Show target users
  - Course Manager can access unlimited times
- » 第5回実習レポート 中堀 義郎 2015-11-05 10:46:31 » Edit » History[72]
  - Valid Period(d/m/y) [30/10/2015 18:00 - 06/11/2015 12:30]
  - This contents is for limited users. » Show target users
  - Course Manager can access unlimited times

Contents Management

Record Management

User Management





## Content Management System (1)

- Create textbook(teacher)
  - ✓ Prepare and upload textbooks anytime and anywhere
  - ✓ Saving time because of no printing handout
  - ✓ Hard work to prepare textbooks
- Access to textbooks anytime and anywhere (student)
  - ✓ Study before and after sessions
  - ✓ Convenient to refer to textbooks and sample survey notes during surveying practice outside
  - ✓ Not losing textbooks like printed materials
  - ✓ No need to carry a heavy textbooks





## Content Management System (2)

- Create Assessment (teacher)
  - ✓ questions are alternative type and answers are automatically evaluated
  - ✓ Hard work to prepare questions
- Tackle questions (student)
  - ✓ Check the result of grading immediately
  - ✓ Review textbooks for self-teaching



## Record Management System

- Checking the detailed scores, question by question, student by student, is easy
- Submit reports (student)
  - Submit reports anywhere and anytime
- Download and evaluate reports (teacher)
  - No need to carry heavy paper home
  - Read reports make comments and grade at my convenience even on my commute using a smart phone
  - Work load significantly reduced



## User Management System

- Manage record of learning
  - Check use time of content (access log)
  - Check progress summary
  - Check score summary
- More functions would be tried in future
  - ◆ For example
    - Group setting → Collaborative learning



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## Progress Summary

Progress Summary - 測量学実習

» Close this window

Summaries

[+] Search

### Execute Count Summary

Tallied up at 2016-04-29 16:02:49, Period 2015-9-20 2016-4-29

» Download Progress Summary

Mail <input checked="" type="checkbox"/>	User Name	User ID Numeric part	器高水 準測量 手簿	埼玉大 学基準 点成果 表	多角測 量レポ ト作成 上の注 意点及 び閉合 の処理 について	測量学 実習テ キスト Part 2	測量学 実習テ キスト part 3	測量学 実習テ キスト Part1	自主テ マによる 測量実 習の提 案要領	鋼巻尺 測定結 果	レポ ート再 提出	多角測 量レポ ート	水準測 量レポ ート	第2回 実習レ ポート	第2回 実習レ ポート その2	第3回 実習レ ポート	第4回 実習レ ポート	第5回 実習レ ポート	第6回 実習レ ポート	第7回 実習レ ポート	第8回 実習レ ポート	第9回 実習レ ポート	第10回 実習レ ポート	第11回 実習レ ポート
						▲▼	▲▼	▲▼	▲▼	▲▼	▲▼	▲▼	▲▼	▲▼	▲▼	▲▼	▲▼	▲▼	▲▼	▲▼	▲▼	▲▼	▲▼	▲▼
<input checked="" type="checkbox"/>		11TC009	[2]	--	[2]	[2]	[5]	[3]	[2]	--	[2]	--	--	--	--	[2]	[1]	--	[3]	[1]	[1]	[1]	--	--
<input checked="" type="checkbox"/>		12TC003	[1]	[2]	[4]	[6]	[10]	[4]	[1]	[2]	--	--	[3]	--	--	[2]	[2]	[3]	[2]	[2]	[2]	[1]	[2]	[2]
<input checked="" type="checkbox"/>		12TC012	[1]	[6]	[4]	[7]	[9]	[3]	[1]	[2]	--	[2]	[1]	[4]	--	[2]	--	[1]	--	[1]	[1]	[1]	[10]	--
<input checked="" type="checkbox"/>		12TC035	[1]	[1]	[4]	[5]	[5]	[5]	[3]	[1]	--	[1]	[1]	[1]	--	[1]	--	[1]	[1]	--	[1]	[1]	--	--
<input checked="" type="checkbox"/>		12TC046	[1]	[4]	[3]	[1]	[3]	[2]	--	[5]	--	[3]	[2]	--	--	[1]	[1]	[1]	[1]	[1]	[1]	[1]	[1]	[1]
<input checked="" type="checkbox"/>		12TC065	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
<input checked="" type="checkbox"/>		13TC001	--	[3]	[3]	[8]	[9]	[4]	[2]	[2]	--	[4]	[2]	[3]	--	[1]	[1]	[3]	--	[1]	[1]	[1]	[1]	--
<input checked="" type="checkbox"/>		13TC002	[2]	[4]	[3]	[1]	[4]	[2]	[5]	[2]	--	[1]	[2]	[2]	--	[2]	[2]	[1]	[2]	[1]	[1]	[1]	[2]	[1]
<input checked="" type="checkbox"/>		13TC003	[2]	[4]	[9]	[5]	[6]	[2]	[2]	[4]	--	[1]	[2]	[2]	--	[1]	[1]	[1]	[1]	[1]	[1]	[1]	[1]	[1]
<input checked="" type="checkbox"/>		13TC004	[4]	[2]	[3]	[4]	[11]	[4]	[4]	[1]	--	[3]	[2]	[2]	--	[1]	[1]	[2]	[1]	[1]	[1]	[2]	[1]	[1]
<input checked="" type="checkbox"/>		13TC005	[1]	[2]	[1]	[2]	[4]	[2]	[1]	[1]	--	[2]	[2]	[1]	--	[2]	[1]	[1]	[2]	[1]	[1]	[1]	[1]	[1]
<input checked="" type="checkbox"/>		13TC006	[4]	[2]	[5]	[8]	[13]	[1]	[2]	[1]	--	[3]	[4]	[2]	--	[1]	--	[2]	[1]	[2]	--	[1]	[1]	[1]
<input checked="" type="checkbox"/>		13TC007	[2]	[1]	[2]	[2]	[1]	[4]	[2]	[3]	--	[2]	[2]	[3]	--	[2]	[2]	[1]	[2]	[2]	[1]	[1]	[1]	[1]
<input checked="" type="checkbox"/>		13TC008	--	--	[2]	[5]	[7]	[6]	[2]	[2]	--	[1]	[1]	[2]	--	--	--	--	[1]	[3]	[1]	[1]	--	[1]



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## Access Log

» Logout Login as a Student Message My reports Notebook

» Course Selection > Course Menu

» 測量学 II

中堀 義郎 is logged in.

[+] Contents Management

[+] Attendance Management

[+] Record Management

[-] User Management

» Register / Modify / Remove

» Group Setting

» Login Status

» Members List / Access Log

» Account Alteration

[+] Course Management

[+] e-Portfolio

[+] Study Card

» Manuals are downloadable.

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Member List / Access Log

[ 測量学 II ]

The list of members in this course and the course's usage log can be inspected.

User ID

Pattern matching: Wild card \* one character ?  
Use ' or ' to connect conditions.

Current members : author (1) user (51)

» Download with csv file

Course Members

User Name	User ID Numeric part	Authority	Number of Logins	Total Login Time	Detailed log
中堀 義郎	00003961	Author	40	10:22:21	<a href="#">Details</a>
	11TC023	User	1	00:02:05	<a href="#">Details</a>
	11TC024	User	0	00:00:00	<a href="#">Details</a>
	11TC026	User	0	00:00:00	<a href="#">Details</a>
	11TC063	User	7	00:06:23	<a href="#">Details</a>
	12TC003	User	1	00:00:00	<a href="#">Details</a>
	12TC035	User	0	00:00:00	<a href="#">Details</a>
	12TC046	User	2	00:01:17	<a href="#">Details</a>
	12TC062	User	2	00:00:42	<a href="#">Details</a>
	13TC001	User	4	00:00:00	<a href="#">Details</a>
	13TC005	User	6	01:15:46	<a href="#">Details</a>
	13TC006	User	1	00:12:51	<a href="#">Details</a>
	13TC007	User	11	00:57:42	<a href="#">Details</a>
	13TC008	User	7	00:18:04	<a href="#">Details</a>
	13TC012	User	4	00:49:48	<a href="#">Details</a>
	13TC014	User	0	00:00:00	<a href="#">Details</a>



## E-learning and problems on ensuring surveyors

- Report on ensuring surveyors of tomorrow by the Task Force of the Geo-Spatial Information Authority of Japan (GSI) released in Dec. 2015
  - ◆ Problems on surveying education are
    - shortage of teachers in universities who have enough knowledge and experience in surveying
    - Decrease in lesson hours of surveying
- E-learning will be useful because one teacher can manage education for more students



## Conclusion

- Some functions of WebClass were experimentally used for the first step and found very useful not only for students but also teachers.
- Next step may be to
  - prepare more teaching materials
  - try more functions of WebClass
- E-learning will be recognized useful for learning surveying in Japan.



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**Thank you for your attention**



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