

Business university IT course integrity issues

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Key words: Distance learning - DL, IT, IS, cloud services, ELMS, MOODLE, SaaS, PaaS, IaaS

Modern education can't be imagined without academic integrity. In this article we present academic integrity in higher education as integrity of programs and courses with other fields of study like information technology (IT), information systems (IS). On the other hand, IT courses of higher institution combined with applications of IT in study field can be also considered as academic integrity. Moreover, any human activity in any field of human business can't be imagined without IT facilities. So, in this presentation, we share with our experience of business higher institution course arrangement to be on feet with modern trends in information technologies and business management.

- ▶ It's a fact cloud computing is deciding almost all people's needs in storing, retrieving data, running application software in the computer net, etc.
- ▶ The cloud makes it possible to access information from any device, from any place, at any time. While a traditional computer setup requires to be in the same location as data storage device, the cloud takes away that step. The cloud removes the need to be in the same physical location as the hardware that stores data. Cloud provider can both own and house the hardware and software necessary to run home or business applications.
- ▶ For higher institutions also there are today many good useful facilities providing educational process with up-to-date data storing, data processing tools as, for example: Google drive, Google docs, etc.
- ▶ Even for managing educational process we can find such platforms as learning management systems (LMS) as, for instance, - MOODLE
- ▶ This 2015-2016 academic year we tried in KIMEPU the MOODLE 2.9 version for distance learning (DL) purposes in some of our courses including our course of "Database Management Systems in Business"
- ▶ In this presentation I'd like to share with some useful practiced facilities of MOODLE 2.9 integrated to my course

The use of MOODLE 2.9 as ELMS (electronic learning management system) is very effective for many teaching and studying purposes as for **teacher's side**:

- ▶ Placing (allocating) in MOODLE course materials of different formats (text, .ppt, .pdf, .xls, .mdb, .ddb, video, and more)
- ▶ Controlling students' attendance (Note: I conducted the course in class at scheduled time not in distance as it is a **pilot** project)
- ▶ Placing in MOODLE **assignment tasks** and receiving students attachment files for tasks
- ▶ Arranging **quizzes** of huge varieties of constructions:
 - Multiple choice
 - Matching
 - Calculated
 - Essay
 - True/False
 - Select missing words
 - Etc.
- ▶ Arranging Workshops, where students should submit their projects and assess their group-mates' projects by the sample grading which can be specified by instructor (lecturer)
- ▶ Arranging and conducting forums
- ▶ Arranging and/or conducting chats
- ▶ Grading students activities automatically.

The use of MOODLE 2.9 as ELMS (electronic learning management system) is very effective for studying purposes as for **students' side**:

- ▶ Having an access to any registered course materials placed in MOODLE
- ▶ Having an access to course materials placed in MOODLE at any time and from any device, and any place
- ▶ Possibility to upload and download assignment project files of any format.
- ▶ Possibility to answer quiz questions and receive the results (scores) immediately, even with teacher's comments.
- ▶ Possibility to share ideas and get immediate reply from teacher and/or from group-mates via forums, chats.
- ▶ Possibility to maintain up-to-date computer, software, network facilities.
- ▶ Possibility to work in teams at group projects

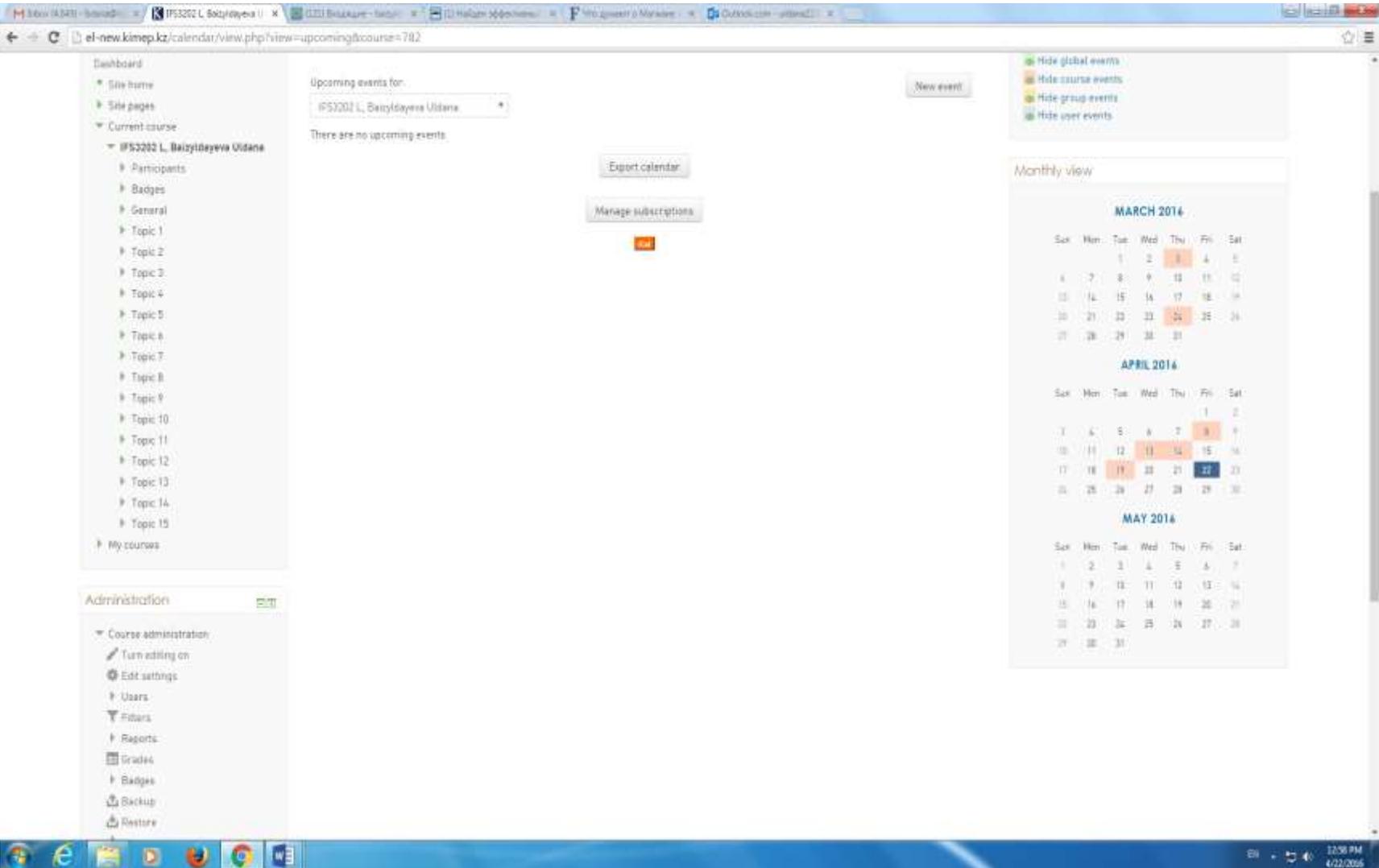
My Dashboard:

The screenshot displays a user's dashboard on the KIMEP University Learning Management System (LMS). The interface is in English and shows the user's name, Ul'iana Bazyldayeva, in the top right corner. The dashboard is organized into several sections:

- Navigation:** A sidebar menu on the left provides quick access to the site home, site pages, and a list of courses including 'TEST-DM5B', 'IFS2223 L, Bazyldayeva Ul'dana', 'GEN/OPM1300 T, Bazyldayeva Ul'dana', 'GEN/OPM1300 L, Bazyldayeva Ul'dana', 'IFS2202 L, Bazyldayeva Ul'dana', 'IFS2203 T, Fidriko Nadezhda', 'GEN/OPM2301 T, Fidriko Nadezhda', 'GEN/PAD2700.2 L, Niyazbekov Nursell', 'JMC4115 L, Harvey Kenneth Eugene', and 'JMC2211 L, Harvey Kenneth Eugene'.
- Course overview:** The main content area lists several courses with notifications: 'Database Management Systems in Business' (notification: 'You have upcoming chat sessions'), 'Management Information Systems IFS2203 L, Bazyldayeva Ul'dana', 'Introduction to Computers GEN/OPM1300 T, Bazyldayeva Ul'dana' (notification: 'You have assignments that need attention'), 'Introduction to Computers GEN/OPM1300 L, Bazyldayeva Ul'dana' (notification: 'You have assignments that need attention'), 'Database Management Systems in Business IFS2202 L, Bazyldayeva Ul'dana' (notification: 'You have assignments that need attention'), 'Management Information Systems IFS2203 T, Fidriko Nadezhda' (notification: 'You have assignments that need attention'), 'Business Computer Applications GEN/OPM2301 T, Fidriko Nadezhda' (notification: 'You have assignments that need attention'), 'Fundamentals of Sociology GEN/PAD2700.2 L, Niyazbekov Nursell' (notification: 'You have assignments that need attention'), and 'Online Interactive, Multimedia Technologies JMC4115 L, Harvey Kenneth Eugene' (notification: 'You have assignments that need attention').
- Private files:** A section indicating 'No files available' and a link to 'Manage private files...'. A 'Customize this page' button is located above this section.
- Online users:** Shows 'Last 5 minutes' with one user, 'Ul'dana Bazyldayeva', currently online.
- Latest badges:** A section stating 'You have no badges to display'.
- Calendar:** A calendar for April 2016, showing dates from Sunday to Saturday. The 20th is highlighted in blue.
- Upcoming events:** A section stating 'There are no upcoming events'.

The Windows taskbar at the bottom shows the system clock as 12:38 PM on 4/22/2016.

“IFS3202 Database Management Systems in Business” course calendar of activities:



Some different format course materials

► Department of Operations Management and Information Systems ► IFS3202 L, Baizyldayeva Uldana ► Topic 3

Dtabase Normal Forms

Normal Forms 1-5

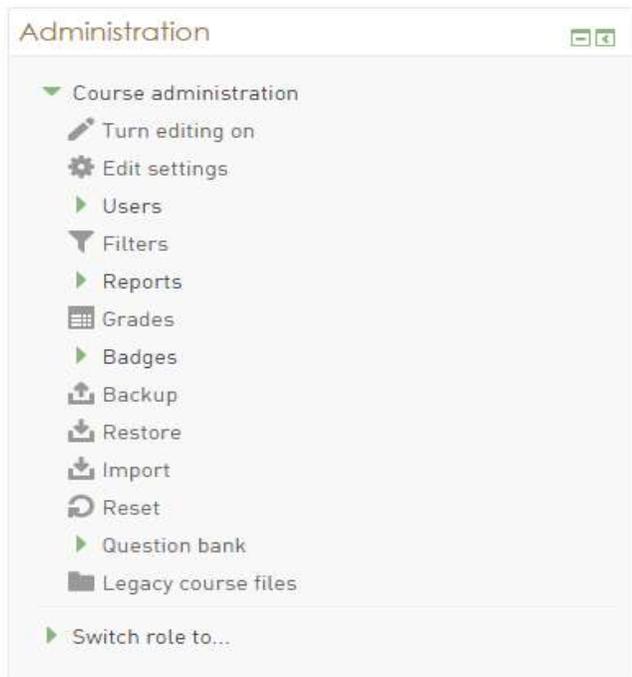
- Lecture 4.doc
- Normalization_Lect3.pptx
- Students_Courses.mdb

The screenshot shows a Moodle course page for 'Database Normal Forms'. The page is organized into topics:

- Topic 2:** Database processing, Universities, Assignment_Universities1
- Topic 3:** Database Normal Forms
- Topic 4:** Relationships, ER - diagrams, Select a group of your choice, Select a group for your project 1, Project #1 Due to 25 February 19:00 p.m.

The page also features a video player titled 'Databases' and a sidebar with navigation options like 'Administration', 'Course administration', and 'Users'. The browser address bar shows the URL: ef-nex.kirep.kz/course/view.php?id=752. The system tray at the bottom indicates the time is 1:18 PM on 4/22/2016.

Different types of activities (assignment tasks, quizzes, bonus tasks, workshops):



Topic 2

📁 Assignment Assignment_Universities1

Topic 4

📁 Assignment Project #1 Due to 25 February 19:00 p.m.

Topic 5

📁 Quiz Quiz 1: Database fundamentals

📁 Assignment BONUS: SQL Mathematical, Date/Time functions

Topic 7

📁 Quiz QUIZ #2

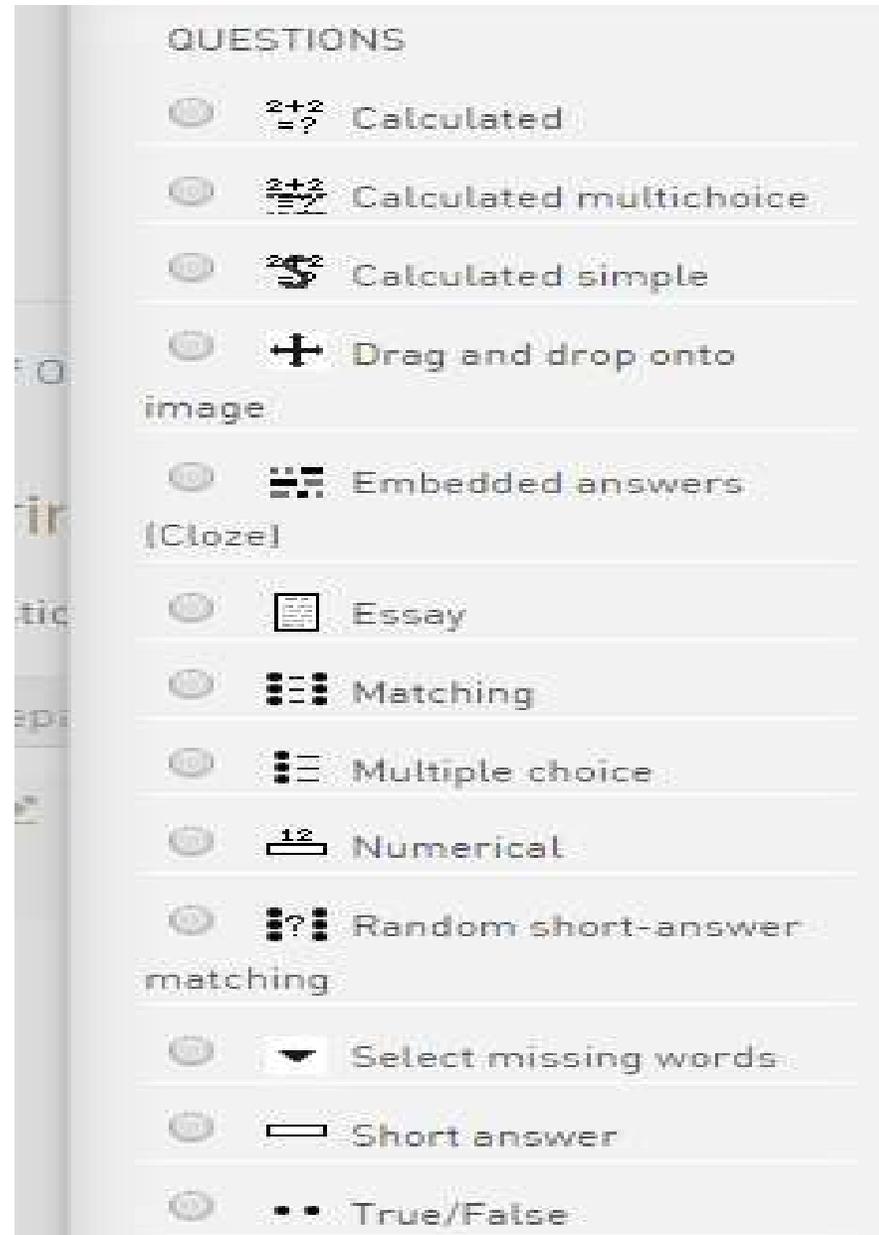
Topic 8

📁 Forum Database ActivX controls

Topic 11

📁 Quiz QUIZ #3

Types of quiz questions:



Reports on Quiz results:

| First name / Surname | ID number | State | Started on | Time Completed | Time taken | Grade/10.00 | Q. 1 /0.50 | Q. 2 /0.50 | Q. 3 /0.50 | Q. 4 /0.50 | Q. 5 /0.50 | Q. 6 /0.50 | Q. 7 /0.50 | Q. 8 /0.50 | Q. 9 /0.50 | Q. 10 /0.50 | Q. 11 /0.50 | Q. 12 /0.50 | |
|--|-----------|----------|--------------------------|--------------------------|-----------------|----------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|-------------|-------------|-------------|--------|
| Zhanarys Yeltayev Review attempt | 20120644 | Finished | 9 February 2016 11:35 AM | 9 February 2016 12:04 PM | 29 mins | Not yet graded | ✓ 0.50 | ✓ 0.50 | ✓ 0.50 | ✓ 0.50 | ✓ 0.50 | ✓ 0.50 | ✓ 0.50 | ✓ 0.50 | ✓ 0.50 | ✓ 0.50 | ✓ 0.50 | ✓ 0.50 | ✓ 0.50 |
| Yerkingali Aldybayev Review attempt | 20150747 | Finished | 9 February 2016 11:35 AM | 9 February 2016 12:09 PM | 34 mins 18 secs | Not yet graded | ✗ 0.00 | ✓ 0.50 | ✓ 0.50 | ✓ 0.50 | ✗ 0.00 | ✓ 0.50 | ✓ 0.50 | ✗ 0.00 | ✗ 0.00 | ✗ 0.00 | ✓ 0.50 | ✓ 0.50 | ✓ 0.50 |
| Nurislam Baimurat Review attempt | 20142442 | Finished | 9 February 2016 11:35 AM | 9 February 2016 12:16 PM | 40 mins 34 secs | Not yet graded | ✓ 0.50 | ✓ 0.50 | ✓ 0.50 | ✓ 0.50 | ✗ 0.00 | ✓ 0.50 | ✓ 0.50 | ✗ 0.00 | ✗ 0.00 | ✓ 0.50 | ✓ 0.50 | ✓ 0.50 | ✓ 0.50 |
| Gulfina Sandiyeva Review attempt | 20142302 | Finished | 9 February 2016 11:35 AM | February 2016 11:38 AM | 16 days | Not yet graded | ✓ 0.50 | ✗ 0.00 | ✓ 0.50 | ✓ 0.50 | ✓ 0.50 | ✓ 0.50 | ✓ 0.50 | ✓ 0.50 | ✓ 0.50 | ✓ 0.50 | ✓ 0.50 | ✓ 0.50 | ✓ 0.50 |
| Narkyz Kozeibay Review attempt | 20141098 | Finished | 9 February 2016 11:35 AM | 9 February 2016 12:15 PM | 39 mins 32 secs | Not yet graded | ✓ 0.50 | ✓ 0.50 | ✓ 0.50 | ✓ 0.50 | ✓ 0.50 | ✓ 0.50 | ✓ 0.50 | ✓ 0.50 | ✓ 0.50 | ✓ 0.50 | ✓ 0.50 | ✓ 0.50 | ✓ 0.50 |
| Balzhan Abdildinova Review attempt | 20120470 | Finished | 9 February 2016 11:35 AM | 9 February 2016 12:25 PM | 49 mins 58 secs | Not yet graded | ✓ 0.50 | ✓ 0.50 | ✓ 0.50 | ✓ 0.50 | ✓ 0.50 | ✓ 0.50 | ✓ 0.50 | ✓ 0.50 | ✓ 0.50 | ✓ 0.50 | ✓ 0.50 | ✓ 0.50 | ✓ 0.50 |
| Alibek Sarybekov Review attempt | 20122806 | Finished | 9 February 2016 11:36 AM | 9 February 2016 12:34 PM | 58 mins 10 secs | Not yet graded | ✓ 0.50 | ✓ 0.50 | ✓ 0.50 | ✓ 0.50 | ✓ 0.50 | ✓ 0.50 | ✗ 0.00 | ✗ 0.00 | ✗ 0.00 | ✓ 0.50 | ✗ 0.00 | ✓ 0.50 | ✓ 0.50 |
| KyeongMyeong Ko Review attempt | 20142373 | Finished | 9 February 2016 11:36 AM | 9 February 2016 12:27 PM | 51 mins 33 secs | Not yet graded | ✓ 0.50 | ✓ 0.50 | ✓ 0.50 | ✓ 0.50 | ✓ 0.50 | ✓ 0.50 | ✓ 0.50 | ✓ 0.50 | ✓ 0.50 | ✓ 0.50 | ✓ 0.50 | ✓ 0.50 | ✓ 0.50 |
| Liya An | 20140841 | Finished | 9 February 2016 12:07 | 9 February 2016 12:07 | 30 mins | Not yet | ✓ 0.50 | ✓ 0.50 | ✓ 0.50 | ✓ 0.50 | ✓ 0.50 | ✗ 0.00 | ✓ 0.50 | ✓ 0.50 | ✗ 0.00 | ✓ 0.50 | ✓ 0.50 | ✓ 0.50 | ✓ 0.50 |

Lecture, tutorial, control, bonus task activities examples:

Topic 5



Quiz 1: Database fundamentals

Stages of DB creation. Normalization. Normal Forms 1-3. Data types, format



Structured Query Language



BONUS: SQL Mathematical, Date/Time functions

Dear students,

please, write 3 math. and 3 date/time functions applied in query on the base of table "Order details"

Attach in Notepad format

Due to 15 February, Monday, 14:00 p.m.

Topic 6



SQL date-time and text functions

SQL functions in use: MS Access DB query design

Dear students,

Please, be ready for Quiz #2 (also on-line as Quiz #1, 23 February, Tuesday.

Read materials in el-new.kimep.kz and

on L: drive in folders: Week3-5

Good luck!

Possibility to download and view all submissions at the example of a Project

Project #1 Due to 25 February 19:00 p.m.

- ▶ Topic 5
- ▶ Topic 6
- ▶ Topic 7
- ▶ Topic 8
- ▶ Topic 9
- ▶ Topic 10
- ▶ Topic 11
- ▶ Topic 12
- ▶ Topic 13
- ▶ Topic 14
- ▶ Topic 15
- ▶ My courses

Administration

- ▼ Assignment administration
 - Edit settings
 - Locally assigned roles
 - Permissions
 - Check permissions
 - Filters
 - Logs
 - Backup
 - Restore
 - Advanced grading
 - View gradebook
 - View/grade all submissions
 - Download all submissions

Assignments per page All

Filter No filter

C:\Users\bdana\Downloads\IFS3202 L, Baizyldayeva Uldana -Project #1 Due to 25 February 1900 p.m.--431.zip\

| Name | Size | Packed Size | Modified | Created | Acce... | Attrib... | Encrypted | Com... | CRC | Method | Host OS | Version |
|------------------|-----------|-------------|------------------|---------|---------|-----------|-----------|--------|----------|---------|---------|---------|
| Balzhau Abd... | 192 | 152 | 2016-04-22 13:09 | | | | - | | 057D7D3A | Deflate | FAT | 20 |
| Balzhau Abd... | 1 454 080 | 261 499 | 2016-02-25 12:35 | | | | - | | 2BFEE3D0 | Deflate | FAT | 20 |
| Yerkingali Al... | 76 | 59 | 2016-04-22 13:09 | | | | - | | AA37E391 | Deflate | FAT | 20 |
| Yerkingali Al... | 757 760 | 64 704 | 2016-02-25 14:11 | | | | - | | 678B80C2 | Deflate | FAT | 20 |
| Liya An_131... | 76 | 59 | 2016-04-22 13:09 | | | | - | | AA37E391 | Deflate | FAT | 20 |
| Liya An_131... | 634 880 | 151 125 | 2016-02-25 12:53 | | | | - | | 74FA7538 | Deflate | FAT | 20 |
| Meruyert Bai... | 76 | 59 | 2016-04-22 13:09 | | | | - | | AA37E391 | Deflate | FAT | 20 |
| Meruyert Bai... | 565 248 | 39 338 | 2016-02-25 18:57 | | | | - | | 8C35F151 | Deflate | FAT | 20 |
| Meruyert Bai... | 120 | 109 | 2016-02-25 18:58 | | | | - | | 49E72259 | Deflate | FAT | 20 |
| Olzhas Begal... | 192 | 150 | 2016-04-22 13:09 | | | | - | | CA4814E3 | Deflate | FAT | 20 |
| Olzhas Begal... | 1 781 760 | 305 761 | 2016-02-25 13:10 | | | | - | | 9DD839FA | Deflate | FAT | 20 |
| Laetitia Bure... | 76 | 59 | 2016-04-22 13:09 | | | | - | | AA37E391 | Deflate | FAT | 20 |
| Laetitia Bure... | 3 538 944 | 1 049 292 | 2016-02-25 18:14 | | | | - | | 86FBB3EB | Deflate | FAT | 20 |
| Shafikova Ka... | 76 | 59 | 2016-04-22 13:09 | | | | - | | AA37E391 | Deflate | FAT | 20 |
| Shafikova Ka... | 89 060 | 85 652 | 2016-02-16 11:43 | | | | - | | E8D1DE7C | Deflate | FAT | 20 |
| Karina Kham... | 76 | 59 | 2016-04-22 13:09 | | | | - | | AA37E391 | Deflate | FAT | 20 |
| Karina Kham... | 1 249 280 | 40 409 | 2016-02-16 14:24 | | | | - | | A30F1B8F | Deflate | FAT | 20 |
| KyeongMye... | 196 | 153 | 2016-04-22 13:09 | | | | - | | F30A82C2 | Deflate | FAT | 20 |
| KyeongMye... | 2 699 264 | 1 692 862 | 2016-02-22 23:36 | | | | - | | A39947C7 | Deflate | FAT | 20 |
| KyeongMye... | 3 448 832 | 1 952 605 | 2016-02-25 11:33 | | | | - | | C491278B | Deflate | FAT | 20 |
| Narkyz Kozei... | 76 | 59 | 2016-04-22 13:09 | | | | - | | AA37E391 | Deflate | FAT | 20 |
| Narkyz Kozei... | 8 097 792 | 4 322 291 | 2016-02-24 16:25 | | | | - | | CF7718FC | Deflate | FAT | 20 |
| Narkyz Kozei... | 12 802 | 10 007 | 2016-02-24 16:25 | | | | - | | 01B95EE0 | Deflate | FAT | 20 |
| Do Kyung Le... | 297 | 192 | 2016-04-22 13:09 | | | | - | | BF0CAF79 | Deflate | FAT | 20 |
| Do Kyung Le... | 589 824 | 41 408 | 2016-02-23 11:48 | | | | - | | 8C5D001C | Deflate | FAT | 20 |
| Viktoria Sat... | 76 | 59 | 2016-04-22 13:09 | | | | - | | AA37E391 | Deflate | FAT | 20 |
| Viktoria Sat... | 1 982 464 | 504 988 | 2016-02-23 12:44 | | | | - | | 261BB112 | Deflate | FAT | 20 |
| Malika Satu... | 76 | 59 | 2016-04-22 13:09 | | | | - | | AA37E391 | Deflate | FAT | 20 |
| Malika Satu... | 565 248 | 39 338 | 2016-02-25 18:57 | | | | - | | 8C35F151 | Deflate | FAT | 20 |

Organizing and conducting Forum activity:

- ▼ IFS3202 L, Baizyldayeva Uldana
 - ▶ Participants
 - ▶ Badges
 - ▶ General
 - ▶ Topic 1
 - ▶ Topic 2
 - ▶ Topic 3
 - ▶ Topic 4
 - ▶ Topic 5
 - ▶ Topic 6
 - ▶ Topic 7
 - ▼ Topic 8
 - MS Access Forms
 - ▼ Database ActivX controls
 - **SubForms organization**
 - ▶ Command button, Subform/subreport, Tab control (sw...
 - ▶ Topic 9
 - ▶ Topic 10
 - ▶ Topic 11
 - ▶ Topic 12
 - ▶ Topic 13
 - ▶ Topic 14
 - ▶ Topic 15
- ▶ My courses

Administration

- ▼ Forum administration
 - Edit settings

Display replies in nested form



SubForms organization

by Uldana Baizyldayeva - Wednesday, 2 March 2016, 11:37 AM

Dear students!

What is the main feature and usability of MS Access subform?

Let's discuss....



Re: SubForms organization

by Uldana Baizyldayeva - Thursday, 3 March 2016, 11:22 AM

Dear students, welcome to our forum!



Re: SubForms organization

by Dimash Mynbaev - Thursday, 3 March 2016, 12:36 PM

how I can use Subform to add one or more subform to an existing form by using the SubForm Wizard



Re: SubForms organization

by Laetitia Buresi - Thursday, 3 March 2016, 12:25 PM

How to show field name in a list box table?

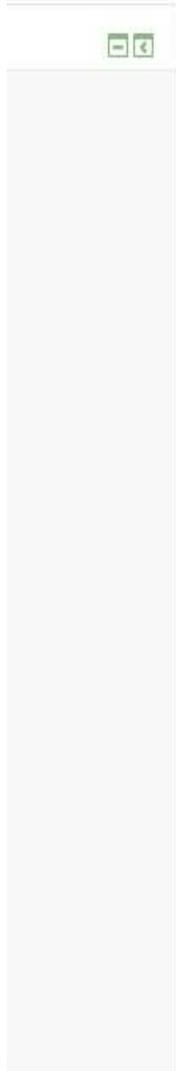


Re: SubForms organization

by Uldana Baizyldayeva - Thursday, 3 March 2016, 12:28 PM

You can do it in one of two ways:

Organizing a workshop



W1 ?

| Setup phase ? | Submission phase ? | Assessment phase | Grading evaluation phase ? |
|---|---|--|--|
| <ul style="list-style-type: none">✓ Set the workshop description✓ Provide instructions for submission✓ Edit assessment form✓ Prepare example submissions | <ul style="list-style-type: none">✓ Provide instructions for assessment✗ Allocate submissions <small>expected: 22 submitted: 1 to allocate: 1</small>ⓘ There is at least one author who has not yet submitted their workⓘ Open for submissions from Tuesday, 19 April 2016, 11:30 AM (3 days ago)ⓘ Submissions deadline: Tuesday, 19 April 2016, 12:15 PM (3 days ago)ⓘ Late submissions are allowedⓘ Time restrictions do not apply to you | <ul style="list-style-type: none">ⓘ Open for assessment from Tuesday, 19 April 2016, 12:20 PM (3 days ago)ⓘ Assessment deadline: Tuesday, 19 April 2016, 1:00 PM (3 days ago)ⓘ Time restrictions do not apply to you | <ul style="list-style-type: none">✓ Calculate submission grades <small>expected: 22 calculated: 0</small>✓ Calculate assessment grades <small>expected: 22 calculated: 0</small>✓ Provide a conclusion of the activity |

CONCLUSION:

- ▶ The use of modern IT achievements is very actual today not only for business university faculty and students to be on step with up-to-date IT facilities in planning, running businesses of any origin. So, integrating IT tools in the educational process is to be even obligatory for preparing future competitive leaders of our young society.

THANK YOU ALL VERY MUCH
FOR YOUR ATTENTION !!!