

Timetable

Information and instruction

The program is designed for manual and automatic layout of work schedules by task, executive groups and available rooms. The usefulness of the program has been verified during many years of arranging the timetable in the faculty of a higher educational institution.

It is possible to plan the arrangement of both lectures (carried out simultaneously by several groups) and exercises and projects, carried out by individual groups.

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Basic features of the program

- Division into groups, positions and tasks.
- Division into cycles (e.g. days) and smaller units (e.g. hours)
- Automatic and manual control of the distribution of tasks over time
- Conditions, allowing division into individual managers (teachers), assigned to groups of tasks
- Occupancy controls for groups, positions and managers
- Reservation of groups and positions and import of reservations from other projects
- Presentation of the results of task scheduling in vertical and horizontal form, with the possibility of distinguishing a group of tasks of one executive unit (e.g., the workplace)
- Wide range of control over the graphic form of presentation
- Export of results in the form of BMP, JPG, CSV, ICS files and printing
- Calendar of allocation of individual cycles (e.g. days) from the plan to days in the year

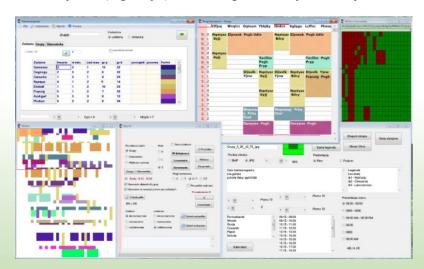


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Features of tasks, groups and rooms

The various elements of the plan are described in the tables by a series of characteristics, the fulfillment of which is a prerequisite for the execution of a correct scheme of action

Each task has the following features:

- name
- duration,
- the minimum number of positions for its implementation
- the maximum number of simultaneous implementation of a given task in the plan
- the range of groups to carry out a collective task (such as a lecture)
- the initial moment of placing tasks in the schedule
- taking into account the break, associated with the task
- color assigned to the task

Each group is characterized by:

- name
- a list of tasks to be performed
- the number of necessary completion of each task

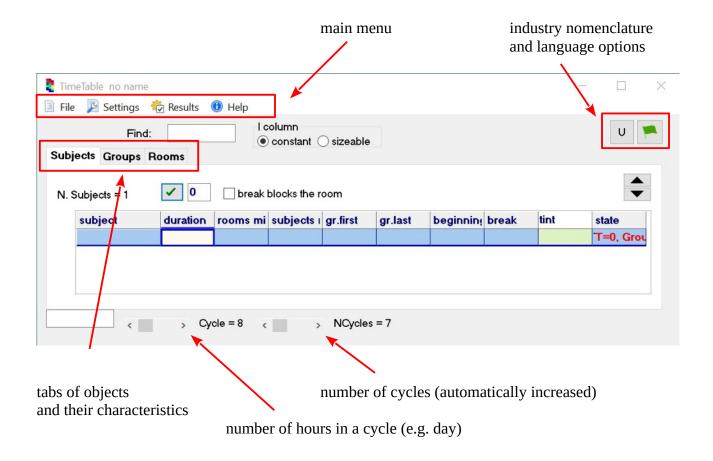
Each position (room) is described by:

- name
- list of tasks to be performed
- the way of its application: excluded, possible or necessary

Elements of control during the layout of the plan

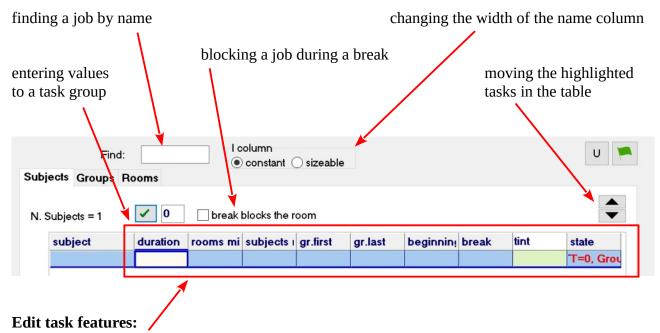
Main window of the program

It defines the main parameters of tasks (subjects), groups of performers (students, pupils) and rooms, intended for the implementation of tasks (lessons).



Tasks tab

Lessons, lectures, exercises and projects, carried out by individuals or teams of performers, pupils or students, can be considered as tasks.



- duration,
- · number of minimum rooms needed
- maximum number of simultaneously performed tasks
- the range of groups (gr.p gr.k) for a collective task (e.g. lecture), set in the "Groups" tab
- the beginning of the start of the task (subject) in the plan
- break
- colors (select the range of tasks and assign in the Settings Visual parameters lower part of the window, indicated colour number and "To objects" button)
 The color is created in the lower left part of the "Visual parameters" window.

The last column of the table "**Subjects/Lessons/Tasks**": **state** is used to inform about errors in planning and give the reason why the item does not appear in the plan distribution:

T=0 : declared zero execution time

Groups=0, **Classes=0**, **Persons=0** : no groups/classes/persons to perform the

subject/task

NRooms < NRmin : number of available positions/rooms is less

than the number required by the subject/task

NSubjects_max<1,

NTasks_max<1 : the maximum number of subjects/tasks performed simultaneously is less than one

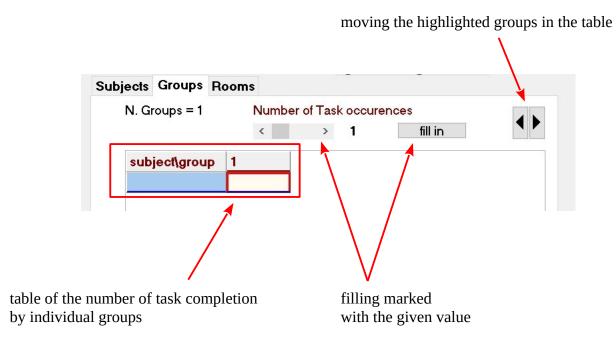
Cycle<T : the execution time of the subject/task is not

within the time of one cycle/day

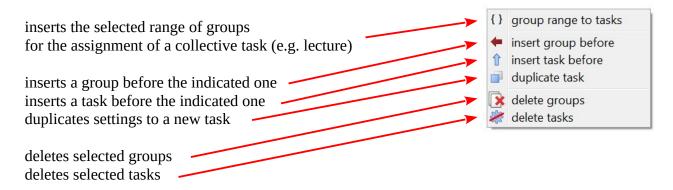
Names of tasks, groups and rooms can be entered in the main menu option: **Settings - Names**.

Groups tab

Defines information on how many times a certain task must be performed by a certain group of students, pupils or other performers.



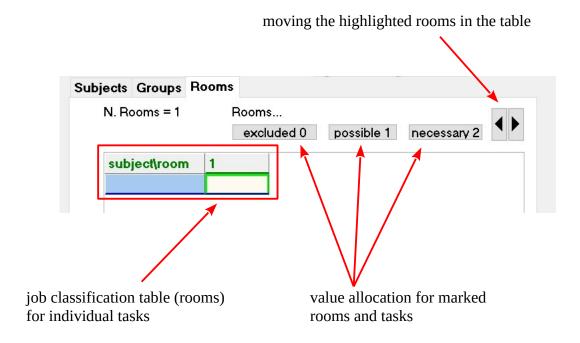
Groups tab sub-menu (available under the right mouse button):



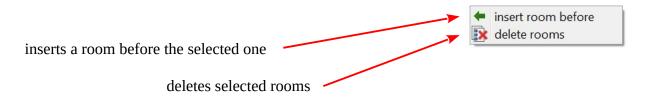
Note! The actions are irreversible. Be sure to save the project regularly.

Rooms tab

Provides information on the possibility or necessity of using a particular room or room for a particular task, lesson, subject or other activity.



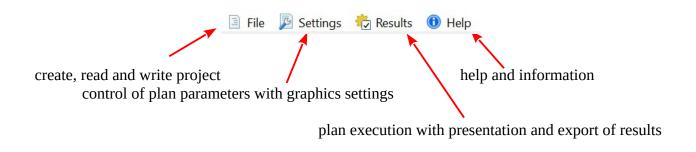
Sub-menu of the **Rooms** tab (available under the right mouse button)



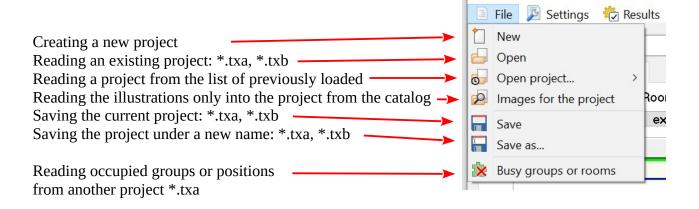
Note! The actions are irreversible. Be sure to save the project regularly.

Main menu

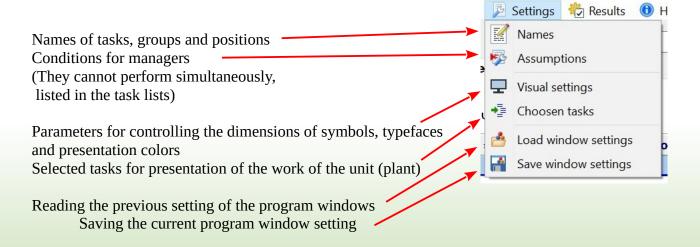
It defines communication, parameter settings of the timetable project, control of its implementation and export of results.



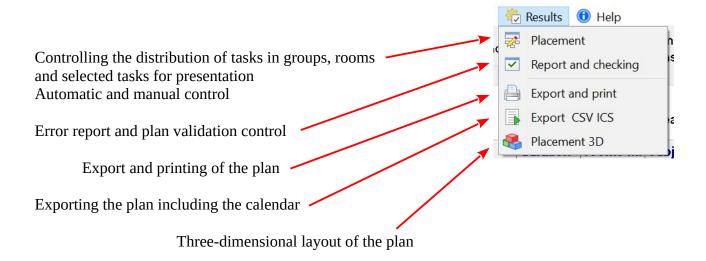
Main menu - File



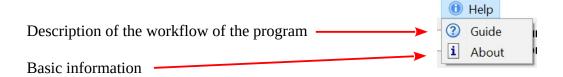
Main menu - Settings



Main menu - Results



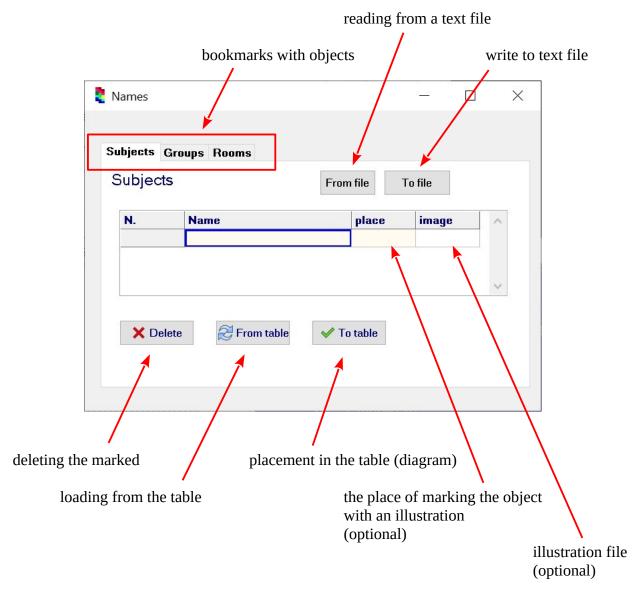
Main menu - Help



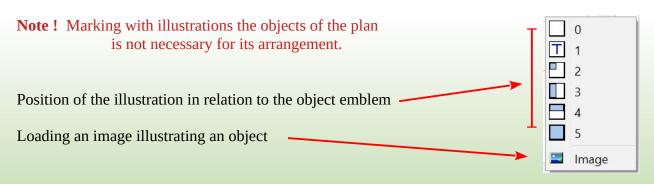
Edit the names of tasks, groups and rooms

Main menu - Settings - Names

Naming the objects is necessary for the correct arrangement of the timetable.



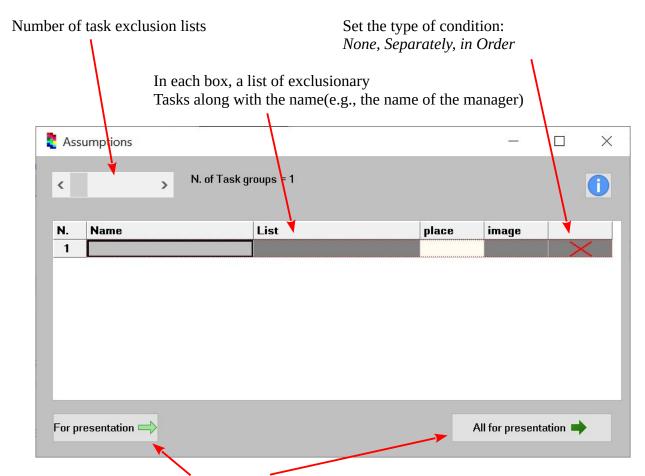
Under the right mouse button is an optional menu for selecting the file of the illustration denoting the object and setting this illustration in relation to the object emblem in the timetable diagram.



Conditions for task managers (optional)

They refer to tasks that cannot be performed simultaneously or must be performed in a specific order.

Main menu - Settings - Assumptions

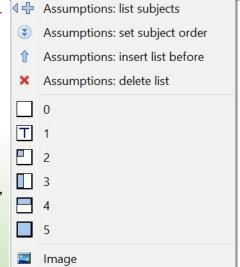


inclusion of selected tasks in the presentation (does not change the basic presentation of the plan diagram)

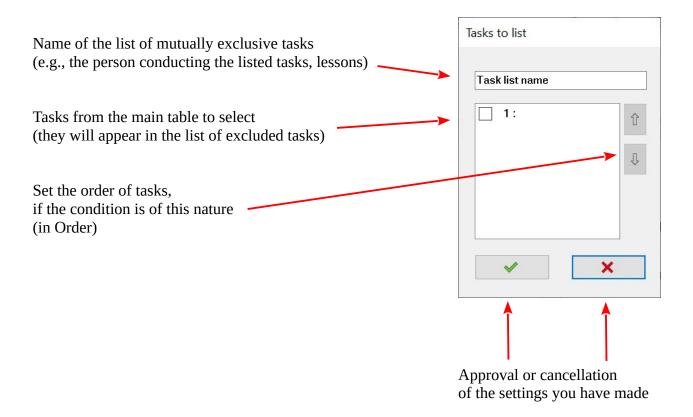
The menu under the right mouse button allows you to select tasks for groups, in which they cannot be implemented at the same time (for example, implemented by a certain teacher or employee):

- Separately
- or they should be done in the set order:
- in Order.

Similar to the *Names* item from the previous subsection, it is possible to illustrate the tasks of each condition e.g., with portraits of performers (optional).

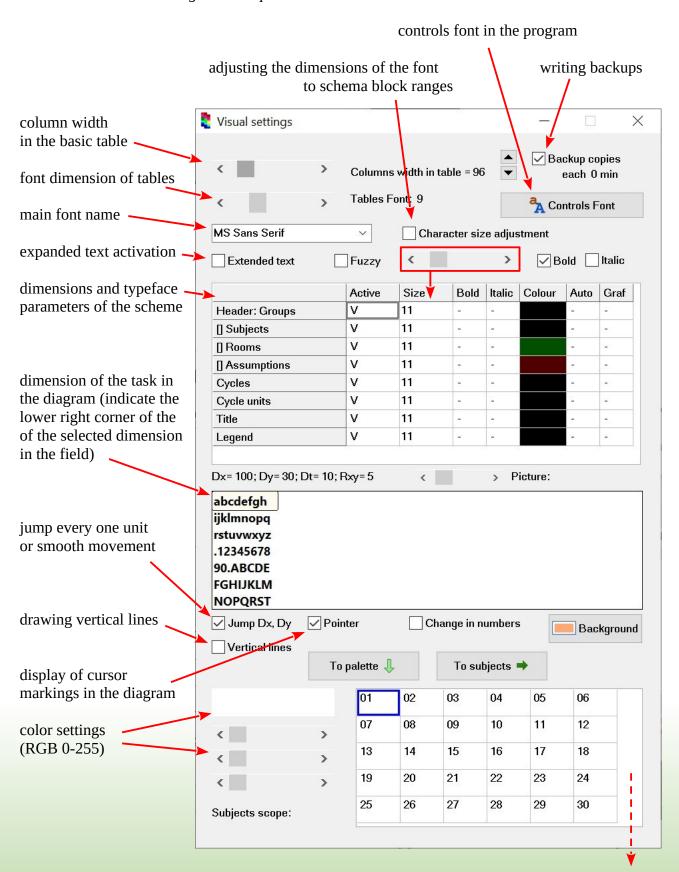


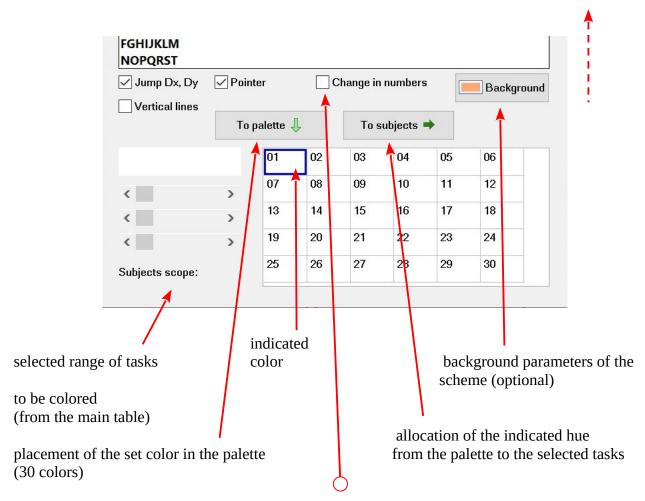
The selection of tasks to groups and the group names are determined when the option is selected: **Assumptions: list subjects** from the menu, associated with the given row of the **Assumptions** table:



Parameters of plan diagram graphics

Main menu - Settings - Visual parameters





enable controls for changing the number of objects in the tables of tasks, groups and positions.

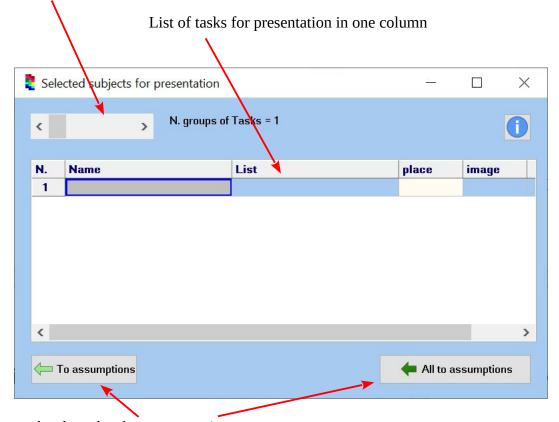
Note! It is necessary to turn them off, after setting the ranges of the scheme, because reducing the count is irreversible and will delete the last objects.

Selected tasks for additional presentation (optional)

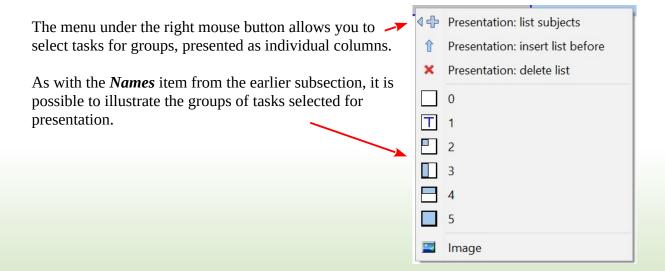
shown as part of the work, carried out by the executive unit (e.g., workplace, department, chair)

Main menu - Settings - Selected tasks

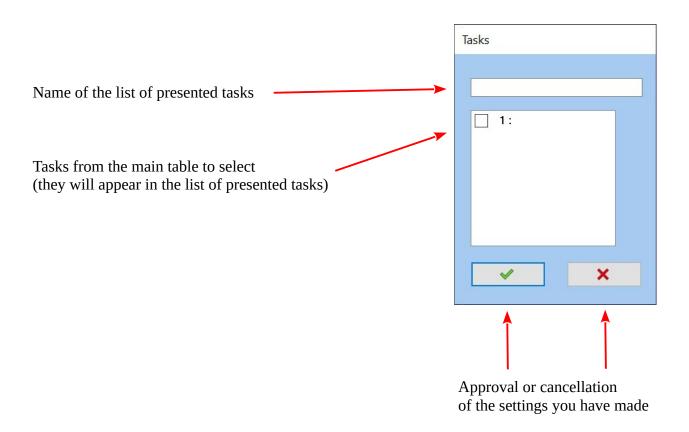
Number of lists of selected tasks for presentation of the scope of work (e.g. department)



attach selected tasks to assumptions



The selection of tasks to groups and the group names are determined by selecting the option: **Presentation: list subjects** from the menu, associated with the given row of the table Selected tasks for presentation:



Controlling the course of laying out the plan

Main menu - Results - Placement

Four windows will appear:

Results - scheduling control

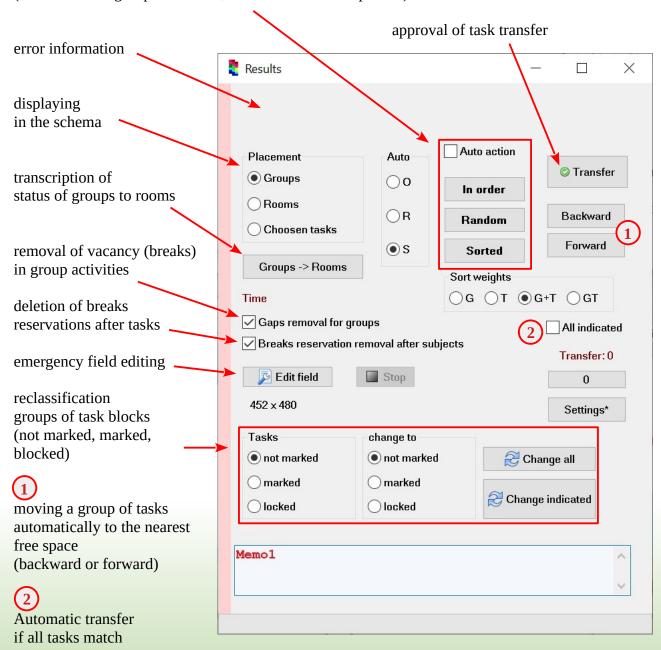
Arrangement - displaying the schema and moving tasks backwards and forwards presents the layout for groups, positions and tasks selected for presentation

Available rooms - status of occupied rooms

Overview - summary view of the schema for better navigation

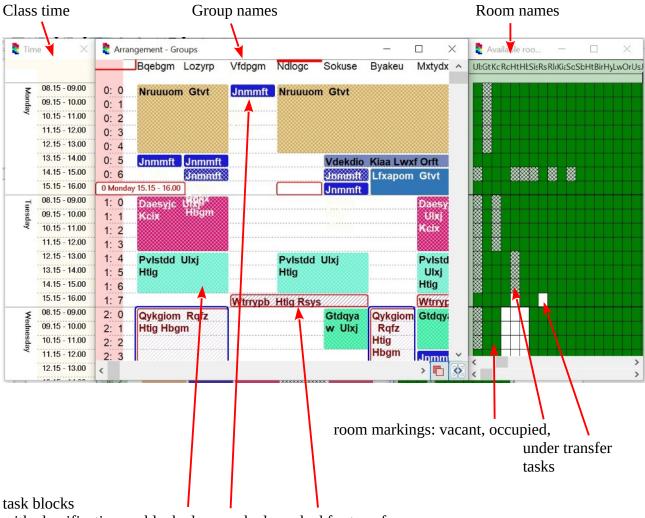
Results window

automatic scheduling by: order in the table, randomly or sorting, according to marked weights (G - number of groups for a task, T - time of task completion)

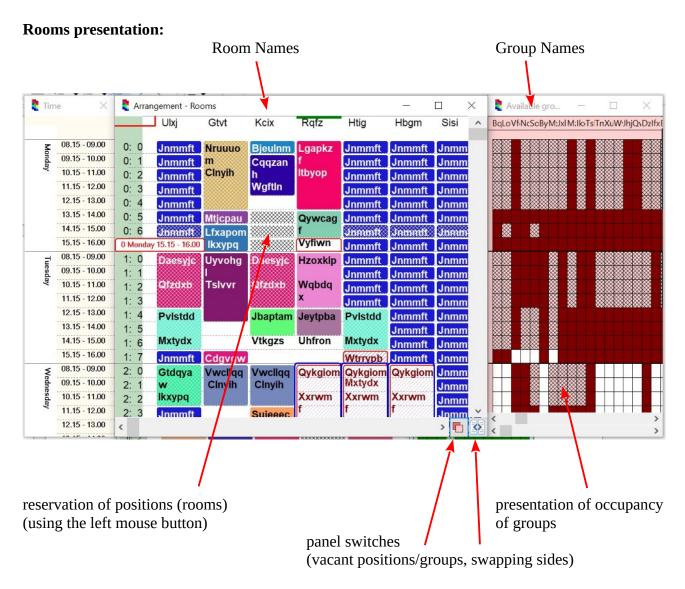


Arrangement, Vacancies and Time window

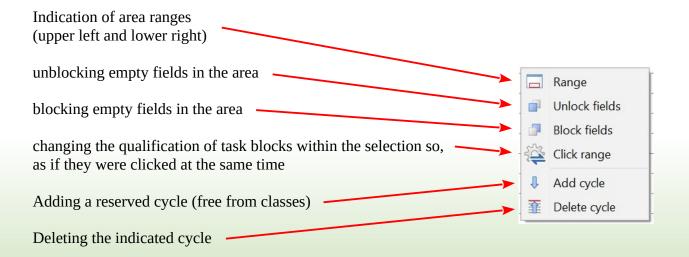
Presentation of the groups:



with classification: blocked, unmarked, marked for transfer (switching is done with the left mouse button in the block field)



In the **Arrangement** window there is a sub-menu (right mouse button), which is used to collectively edit the selected area and change the number of cycles



Overview window

Presents a collective picture of the plan

Groups during the implementation of the plan:

Rooms during plan implementation:



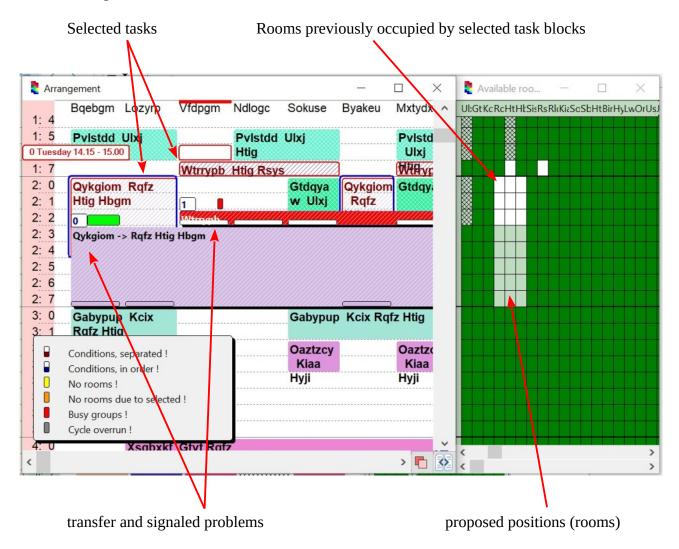
The presentation range in the **Arrangement** window is shown here with a red frame. The extent of the plan to be printed is shown here with a green frame.

Control is done by holding the left mouse button in the view box, then the image in the **Arrangement** window and in the side panels (**Time** and **Available rooms** or **groups**) changes.

Controlling the movement of tasks in the Arrangement window

In the **Arrangement** window, you can move backward or forward the selected task blocks. This is done by using the mouse wheel.

You can also use the function to automatically search for vacant (non-blocked) positions in the scheme, using the **Forward** and **Backward** buttons from the **Results** window.



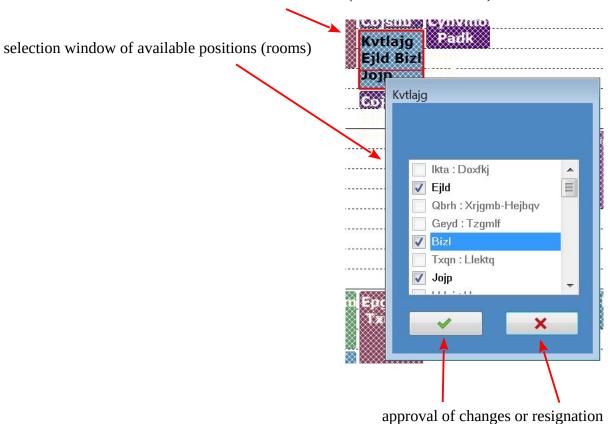
Approval of the transfer is done with the **Transfer** button in the **Results** window.

Manual assignment of rooms to a task block

The schema in the **Arrangement** window should show the distribution of tasks for groups. For a task block in the schema, in addition to the settings in the table, you can manually assign jobs. To do this, block the task in the schema and use the **Alt** button.

In the selection window, select the desired free rooms and confirm (this window is similar to the assignment of conditions for managers and the selection of tasks for individual presentation).

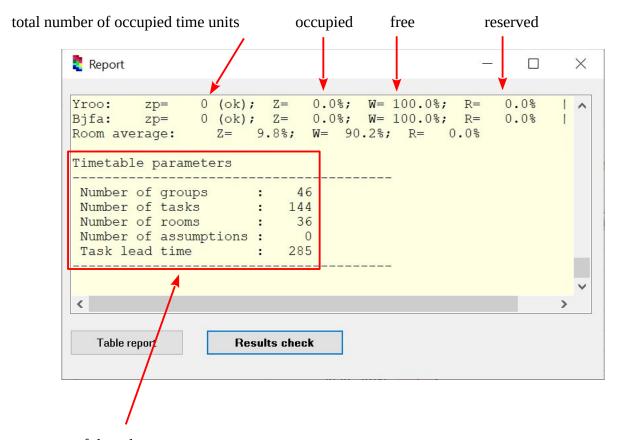
The indicated block of the task (locked in the schema)



Checking the correctness of the scheme

Main menu - Results - Report and control

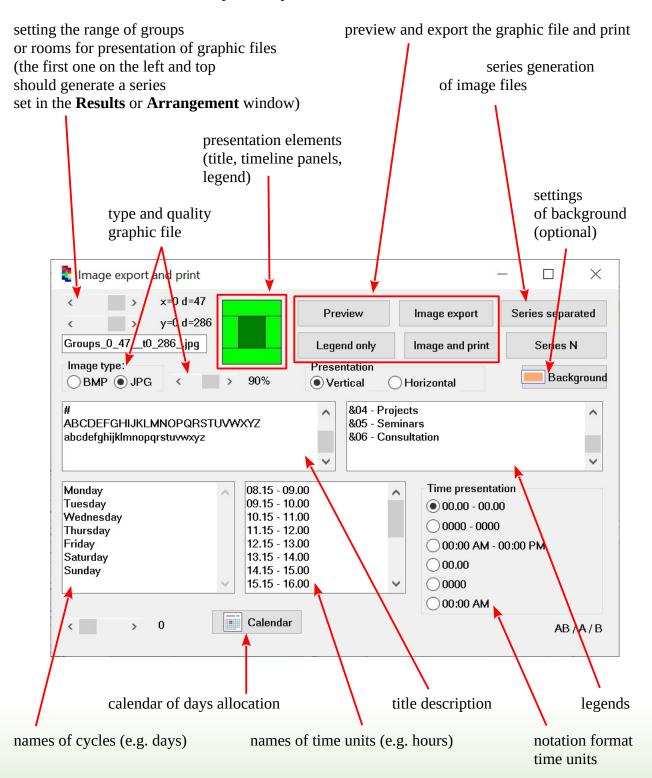
The report gives information on the compliance of the scheme with the assumptions, included in the tables. Summaries are given for groups and positions with busy (\mathbf{Z}) , free (\mathbf{W}) and reserved (\mathbf{R}) time.



summary of the scheme

Export and print the results of lesson planning

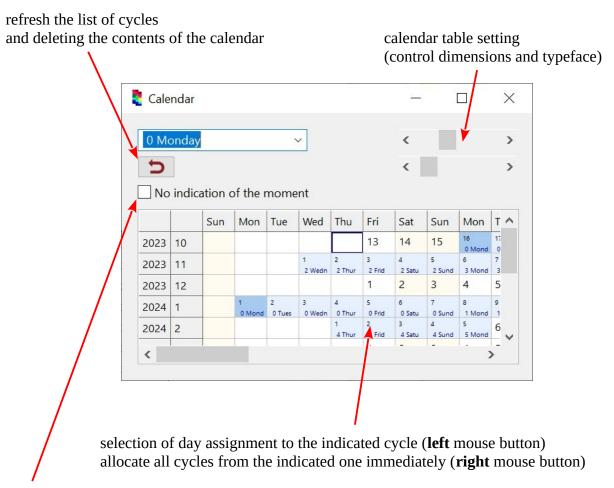
Main menu - Results - Export and print



Calendar

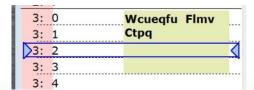
The calendar is used to associate individual cycles of the scheme with the days of the year.

displayed number of the full list of cycles (e.g. week) and the name of the indicated cycle (e.g. day)

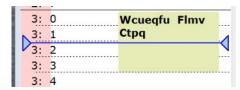


enable the indication of the current moment in the **Arrangement** window with the plan background Example of an excerpt from the **Arrangement** window with the moment of the plan:

inside a unit time position:



between two positions:

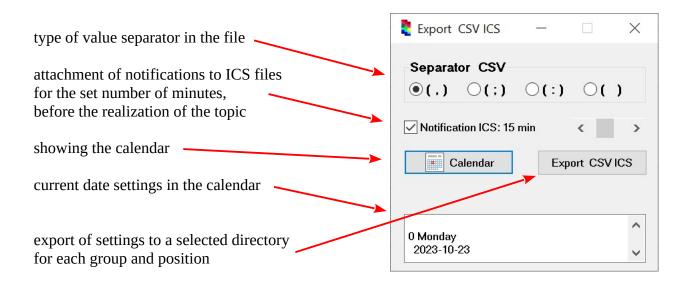


Export CSV ICS

Main menu - Results - CSV ICS export.

CSV ICS export leads to the simultaneous generation of CSV (Comma Separated Values) type and ICS type open calendar standard files for the set and individual groups and positions separately, based on a pre-filled calendar. It is necessary, for this purpose, to indicate the location and provide the name of the assumed destination directory. You can choose different types of separator (not just comma).

CSV and ICS files can potentially be used as the distribution of the calendar of classes in Android® and iOS® for individual participants in the implementation of the plan.



In order to ensure the correct operation of timekeeping and calendar, the data of the list of items of moments (hours) of plan execution in the **Export and Print** window must be given according to the scheme:

HH.MM - HH.MM

Where HH and MM represent the hour and minute of the start and the hour and minute of the end of the plan unit. For example: **08.15 - 09.00**

The generated CSV files consist of the following elements:

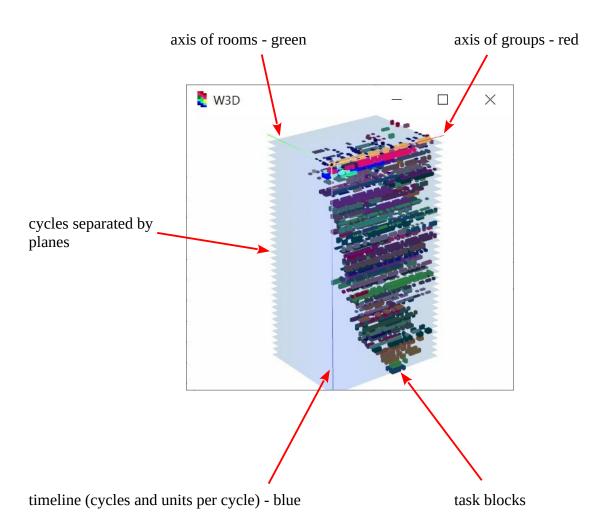
Subject, Start Date, Start Time, End Date, End Time, All Day Event, Description, Location, Private

separated by a selected separator.

A three-dimensional view of the class layout diagram

Main menu - Results - 3D layout.

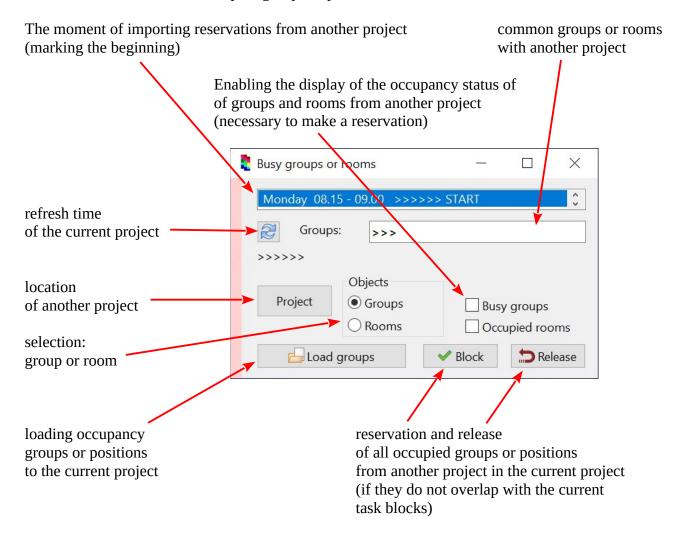
The diagram can be viewed as a three-dimensional presentation. Controlling the viewpoint is done by moving the mouse and locking it with the left mouse button. Zooming in and out is done with the mouse wheel.



Import group and room reservations from another project

It is possible to load the reservation status of groups and positions from another project, in order to avoid conflicts during plan execution.

Main menu - File - Occupied groups or positions



Presentation of occupancy of groups and rooms from another scheme (project):



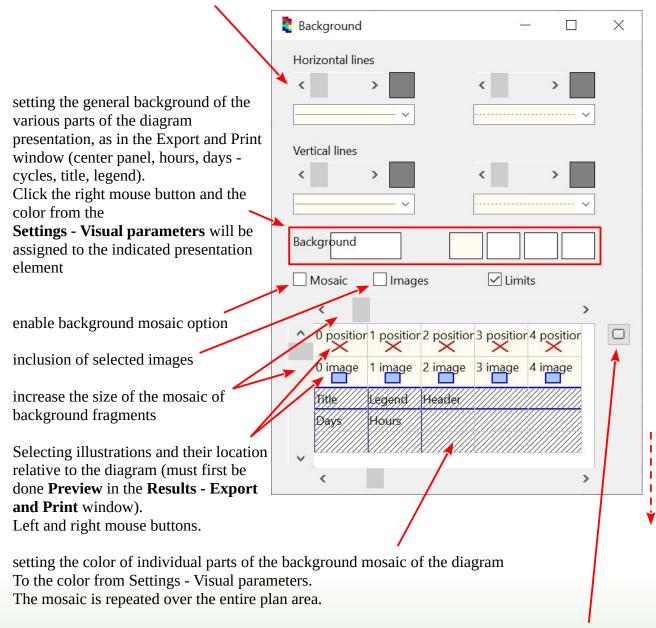
Once they are made visible, you can turn bookings on and off for everyone at the same time.

Background and diagram frames (optional)

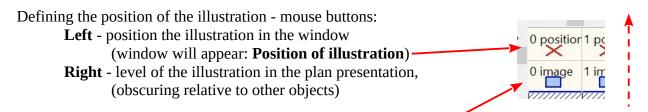
The timetable diagram can be presented with a changed background and superimposed illustrations (showing symbols of the organization, for example). The settings of the background parameters can be accessed from various places in the main menu and the **Background** button:

Settings - Visual parameters - Background Results - Export and Print - Background

Settings for the type and thickness of horizontal and vertical, main and subordinate lines



zeroing the selected fragment of the mosaic

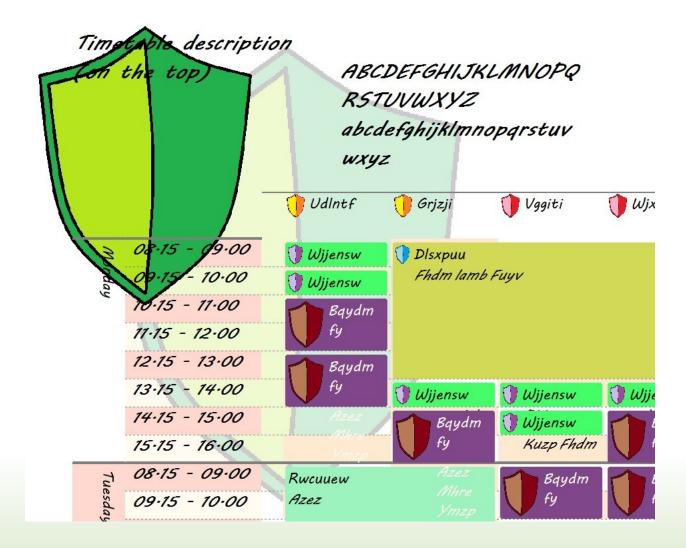


Left - pointing to the location of the illustration file on the computer

Setting the illustration in the window is done after previewing in the **Results - Export and Print** window. To set the illustration drawing, the upper left and lower right corners of the image are indicated in the **Illustration Position** window.

The effect of using the background and typeface parameter settings from the *Main menu - Settings - Visual parameters*

is to improve the readability of the presentation of the plan diagram and to be able to mark the presentation with illustrations. Example:



The course of arranging the timetable

1. Determine the number of tasks, groups and rooms

The sliders are located in the tabs of the main form and are activated by an option from the main menu:

Settings - Visual Parameters - Change the number.

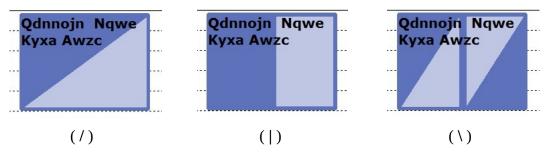
Set the number of groups, classes (tabs "**Tasks**", "**Groups**" and "**Rooms**" in the main form) Note: reducing the number of individual features causes deletion - it is best to disable the

option after setting

You can also start a new plan with the *File - New* option, specifying at once the established number of tasks, groups and rooms, which can be modified later.

2. Specify the names of groups, tasks and rooms (Settings - Names).

The '/' sign before the name of the task (activity) means division with another task (diagonal) mark '|' in front of the name of the task (activity) means division with another task (vertical) the character '/' in front of the name of a task (activity) means division into two triangles



The character '/' before the name of the group or position means setting the preceding vertical dash, of the color specified in the "Parameters" window

Direct them to the main table (the "to table" buttons in the Tasks, Groups and Rooms tabs of the **Names** window)

3. Determine the number of hours per day

- number of hours for a cycle (Main Form - Cycle) and the estimated number of cycles (Main form - N. Cycles)

4. Enter the name of the cycles (days) and the names of the time units of the plan (hours)

(Results - Export and print)

5. Main form - "Tasks" tab:

Specify the time required to complete the tasks ("**duration**")

Specify for the lectures the range of groups involved ("gr.first" - "gr.last")

Groups falling within this range will be assigned to a task if the number of task completion for them is greater than 0 (the "Groups" tab of the main form)

If exercises are planned for individual groups then the range ("gr.first" - "gr.last") can be omitted or zeroes can be entered

Specify the minimum number of classrooms for tasks ("rooms.min")

Specify the maximum number of such tasks running simultaneously ("subjects.max.")

Specify the moment when the task starts (optional, if not at the beginning) ("**start**")

Specify the size of the break after the task (optional, if not zero) ("**break**")



Specify the color for the selected tasks (*Settings - Visual parameters*)

The right mouse button gives information about the occupancy of groups and rooms for a given task

6. Master Form - "Groups" tab:

Specify how many times a task must be performed by a group

The right mouse button activates the menu giving the range of selected groups, deleting and adding tasks and groups

7. Main Form - "Rooms" tab:

Indicate the classrooms that can or must be used for a specific task

Right mouse button activates the menu deleting and adding rooms (classrooms)

8. Assumptions (optional) (Settings - Assumptions):

Provide lists of different tasks that cannot be performed simultaneously (there must be one blank at the end of the list of conditions), This applies, for example, to tasks performed by a single teacher

9. Results - Arrangement - Scheme.

Perform the distribution of the plan

Displaying the plan in the "**Arrangement**" window is done using the buttons from the "**Results**" window.

These are:

"**In order**" - Arrange the plan as the tasks have been placed in the table "Tasks"

"Random" - plan according to randomly set tasks (different combinations)

"**Sorted**" - the plan set for the tasks, sorted according to the occupancy of the groups (first lectures or their completion time) from the largest to the smallest

"**Results**" window controls the display of the scheme in the "Arrangement" window. It sets:

"**Groups**" - distribution for groups

"Rooms" - distribution of occupancy of rooms

"**Selected tasks**" - tasks selected to be displayed for, for example, a single workplace selected from the entire schedule

Buttons in the "**Arrangement**" window (after selecting the display in the "**Results**" window):

"**Groups**" option in the "**Results**" window:

left - change the status of the task (exercise or lecture)

- unmarked (smooth)
- marked for movement (hatched)
- blocked reserved (check)

right - to move the view and enable the menu to select the passage, to lock or unlock a schematic fragment

Ctrl or **Wheel** (mouse wheel) - moving the selected tasks in time (confirmed by the "**Transfer**" button in the **Results** window)

Information about problems given while moving the task:

marked in red - setting on a locked task



marked in yellow - the indicated rooms are already blocked or occupied by blocked tasks marked in white - the location of the task does not meet the list of given conditions or the task is simultaneously implemented in too many groups marked in gray - location of the task simultaneously in two cycles (all contingencies cannot be accepted)

Alt - change the assignment of rooms to the blocked task, shown by the cursor (positions excluded from the list, are blocked or occupied by blocked tasks)

"**Rooms**" option in the "**Results**" window:

left - reservation - blocking of rooms (positions)right - moving the viewred are marked rooms with overbooking (several tasks to one room)or inconsistency of the declared task time with the performed reservation

Information about errors in the scheme is shown as black rectangles and red underlines (they refer to differences between the table and the scheme)

10. Results - Report and control

Checking the correctness of the solution (whether the rooms are not repeated at a given time). The last error is shown on the preview as a red horizontal line.

11. Parameters (Settings - Visual parameters)

Preparation for presentation
Set typeface and size
Set the dimensions of the unit on the plan
Set colors for task groups (marked in the main form, right table)

12. Results - Export and print

Prepare the image of the diagram for printing
Set the position of the upper left corner of the range
Specify the range in the number of groups - to the right and time - to the bottom

Have a pleasant work:-D

Information about the program

The project was done with the following tools:

Lazarus IDE 2.0 - 3.2: https://www.lazarus-ide.org/

https://indy.fulgan.com/SSL/

http://www.ararat.cz/synapse/doku.php/start

http://www.famfamfam.com/lab/icons/silk/

http://tango.freedesktop.org/Tango_Icon_Library

Program tests and current compilations are performed in the environments:

Windows® 7 64bit Home Premium Sp1, AMD® FX-8320E, 16 GB RAM, Windows® 10 64bit Pro 22H2, AMD® Ryzen 5 Pro 4650G, 32 GB RAM,

Graphics: AMD® Ryzen 5 Pro 4650G,

Nvidia® GTX 1060 6GB, RTX 4070 12GB,

monitor 4K 60Hz.

64 bit program parameters:

Groups: 500; Tasks: 900; Rooms: 200; Conditions: 100 Selected presentation tasks: 100; Time: 3000 units. Internet connection required for date checking.

Demo 64 bit program parameters:

Groups: 3; Tasks: 3; Rooms: 3; Conditions: 3 Selected presentation tasks: 3; Time: 100 units No ability to edit task names and parameters.

No read and write capabilities.

Contact the author: info@mkplan.eu

Installation

Installing the normal version of the program is done on the user's permanent disk. No modifications are made to the system. The program works as a portable version. Realized, for this purpose, are the following points:

- Create a directory, for placing the program, on the fixed disk.
- Place there all the files from the unpacked file "Program_plan.zip"
- Run the executable file "Serial_info.exe", specifying the main path of the drive, intended to install the program, for example, "C:\".
- Send the obtained control file "info.exc" to us and declare the period of use of the program (one year or more), according to the payment made.
- We will send the computer reference file "serial.exc".
- Put the "serial.exc" file in the directory with the program, which was established at the beginning.
- Now the main program should work, you can create a shortcut to it.

Note! An Internet connection is required for the program to work.

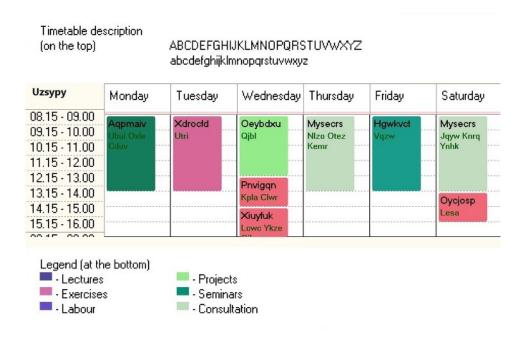


Examples of lesson plan presentations for groups and positions

It is possible to select any range of groups or rooms, as well as selected tasks, for presentation.

Horizontal plan

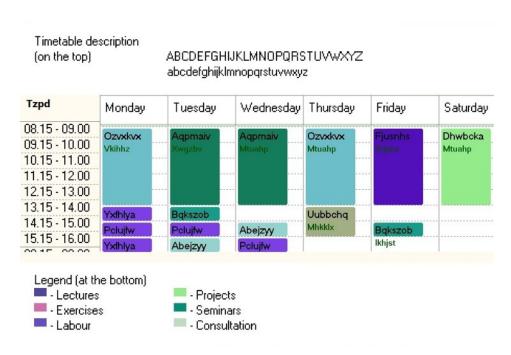
Single group:



Two groups:

Timetable description ABCDEFGHIJKLMNOPQRSTUVWXYZ (on the top) abcdefghijklmnopqrstuvwxyz Monday Tuesday Wednesday Thursday Friday Saturday Uzsypy Uzsypy Gheevj Uzsypy Gheevj Uzsypy Gheevj Uzsypy Gheevj Uzsypy Gheevj Gheevj 08.15 - 09.00 Txsmsfc Xdrocfd Xdrocfd Mysecrs Mysecrs Shzhhjz 09.15 - 10.00 NIzo Otez Jqyw Knrq Ynhk 10.15 - 11.00 Uubbchq Xiuyfuk 11.15 - 12.00 Hycu Vgal Xiuyfuk 12.15 - 13.00 Unchffp Oycjosp cpblhx 13.15 - 14.00 Abejzyy 14.15 - 15.00 Xiuyfuk Uubbchq Yxthiya Vmxr Vqzw Vyrp 15.15 - 16.00 Abejzyy Legend (at the bottom) Projects Lectures - Exercises Seminars - Labour - Consultation

Single room:



Two rooms:

	Monday		Tuesday		Wednesday		Thursday			Friday		Saturday		
	Tzpd	Ubui	Tzpd	Ubui	Tzpd	Ubui		Tzpd	Ubui		Tzpd	Ubui	Tzpd	Ubui
08.15 - 09.00 09.15 - 10.00 10.15 - 11.00 11.15 - 12.00 12.15 - 13.00	Ozvakva Vkihhz	Aqpmaiv Uzsypy	Aqpmaiv Xwgzbv	Aqpmaiv Xwgzbv	Mtuahp	Aqpmaiv Mtuahp		Ozvxkvx Mtuahp	Ozvxkvx Mtuahp		Fjusnhs Sepure	Ozvakva Buibtu	Dhwbcka Mtuahp	Eotfnkr Vtxlkt
3.15 - 14.00	Yxfhlya	Yxfhlya	Bqkszob					Uubbchq	Bqkszob					
4.15 - 15.00 5.15 - 16.00	Polujfw Yxthiya	Pclujfw Yxfhlya	Polujfw Abejzyy	Polujfw Polujfw	Abejzyy Poluifw	Pclujfw Abejzyy		Mhkklx	Abejzyy Iporfa	l	Bqkszob lkhjst		 	

Vertical plan

Collective presentation of the groups:

		Uzsypy	Gheevj	Dfqjrh	Yfwwbf	Eqfsnm	Aublzx	Acmidz	Yigyee	Ikmkrz	
7	08.15 - 09.00	Agpmaiv	Txsmsfc	Agpmaiv	Mysecrs	Txsmsfc			Mysecrs	Txsmsfc	08.15 - 09.00
Monday	09.15 - 10.00	Ubui Oxle	Ajkn Fkkf	Vqzw Vyrp	Otez Kemr	Ajkn Fkkf			Vzww Csnk	-0.00	09.15 - 10.00
효	10.15 - 11.00	Cduy	Xiuyfuk	Nizo	Tmxl	Polujfw	Yxfhlya	Abejzyy	Utri	Bakszob	10.15 - 11.00
_	11.15 - 12.00	²	Hyeu Vgak			Yxfhlya	Bgkszob	Dodk Pekk		Bqkszob	11.15 - 12.00
	12.15 - 13.00		Oycjosp			Uubbchq	Uubbchq	-Gqmh		Xiuyfuk	12.15 - 13.00
	13.15 - 14.00		Sdln	Bqkszob		Rkft	Csyi			Kyqq Ulfn	13.15 - 14.00
	14.15 - 15.00		Yxfhlya	Yxfhlya						lotd	14.15 - 15.00
	15.15 - 16.00			Abejzyy							15.15 - 16.00
_	08.15 - 09.00	Xdrocfd	Abejzyy	Oeybdxu	Oeieujz			Tchdflk	Oeybdxu	Oeybdxu	08.15 - 09.00
Tuesday	09.15 - 10.00	Utri	Oguc	Jayw	Lesa Knrq Ynhk			Syvh	Owmc	09.15 - 10.00	
ğ	10.15 - 11.00 11.15 - 12.00	-	-		-				-		10.15 - 11.00
Æ					No. district				-6		11.15 - 12.00
	12.15 - 13.00	-	-	Vdasima	Yxfhlya			Popblhx	Ousisan	Popblhx	12.15 - 13.00
	13.15 - 14.00		l	Xdosjmo Kpla	Oycjosp Clwr			Abww Evsh	Oycjosp Depu	Bmck Pplo	13.15 - 14.00
	14.15 - 15.00										14.15 - 15.00
	15.15 - 16.00				Abejzyy			Polujfw	Abejzyy		15.15 - 16.00
	08.15 - 09.00	0 1 1	-	Oeybdxu	Abejzyy			Polujfw USUI Oxle	Abejzyy Vazw Vyrp		08.15 - 09.00
<u>©</u> 09.1	09.15 - 10.00	Oeybdxu Oibl	Oeybdxu Enebxmh Qjbl Tsob Vhnn Qkgf		Enebxmh Tsob Vhnn	Okaf		Cduv	Nizo		09.15 - 10.00
		- Ocjui			1 SOD VIIIII	TSUB VIIIII GKGI					
DSG-	10.15 - 11.00	-	-								10.15 - 11.00
	11.15 - 12.00						Y-			Y	11.15 - 12.00
	12.15 - 13.00	Pnvigqn	Popblhx Abww Evsb	Oycjosp	Cujiyto	Oycjosp	Cujiyto Bmck		Unchffp Imym Tbie	Oycjosp Rpmb	12.15 - 13.00
	13.15 - 14.00	Kpla Clwr		Depu	Bmck	Pplo	DITICK			rspmo	13.15 - 14.00
	14.15 - 15.00	Xiuyfuk Lewe Ykze	Uubbchq Uhqg	Abejzyy		Pclujfw Ubui Oxle			Uubbchq		14.15 - 15.00
	15.15 - 16.00	Cibur	-	Polujfw		Cduv			Vqzw		15.15 - 16.00
Thursday	08.15 - 09.00	Mysecrs NIzo Otez	Lxcxkwn	Aqpmaiv	Lxcxkwn	Ok-6		Aqpmaiv	Lxcxkwn	No.	08.15 - 09.00
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ġ.	10.15 - 11.00										10.15 - 11.00
	11.15 - 12.00		Xiuyfuk						Yxfhlya		11.15 - 12.00
	12.15 - 13.00		Hycu Vgak						Oeybdxu		12.15 - 13.00
1	13.15 - 14.00		Abejzyy	Bqkszob					Mqkv		13.15 - 14.00
	14.15 - 15.00		Yxfhlya Imxi Vqzw Vyrp	Yxfhlya	l						14.15 - 15.00
	15.15 - 16.00		Vqzw Vyrp Nlzo	Otez Kemr							15.15 - 16.00
Friday	08.15 - 09.00	Hgwkvct								Mysecrs	08.15 - 09.00
je j	09.15 - 10.00	Vqzw								Knrq Ynhk Syvh	09.15 - 10.00
	10.15 - 11.00										10.15 - 11.00
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	15.15 - 16.00										15.15 - 16.00
		- Led	(at the bol ctures ercises	tom)	■ - Projec ■ - Semin						



Aggregate presentation of rooms:

Timetable description (on the top)

ABCDEFGHIJKLMNOPQRSTUVWXYZ abcdefghijklmnopqrstuvwxyz

8.15 - 09.00 9.15 - 10.00 0.15 - 11.00 1.15 - 12.00 2.15 - 13.00 3.15 - 14.00 4.15 - 15.00 5.15 - 16.00 8.15 - 09.00 9.15 - 10.00 0.15 - 11.00	Ozvxkvx Vkihhz Yxfhlya Polujfw Yxfhlya Agpmaiv	Aqpmaiv Uzsypy Yxfhlya Polujfw	Aqpmaiv Uzsypy Yxfhlya	Aqpmaiv Uzsypy Yxfhlya	Aqpmaiv Dfqjrh	Aqpmaiv Dfqjrh	Aqpmaiv Dfqjrh	Mysecrs Yfwwbf	Mysecrs Yfwwbf	08.15 - 09.00 09.15 - 10.00 10.15 - 11.00 11.15 - 12.00 12.15 - 13.00
0.15 - 11.00 1.15 - 12.00 2.15 - 13.00 3.15 - 14.00 4.15 - 15.00 5.15 - 16.00 8.15 - 09.00 9.15 - 10.00	Yxfhlya Polujfw Yxfhlya	Yxfhlya	Yxfhlya				Dfqjrh	Yfwwbf	Yfwwbf	10.15 - 11.00 11.15 - 12.00
1.15 - 12.00 2.15 - 13.00 3.15 - 14.00 4.15 - 15.00 5.15 - 16.00 8.15 - 09.00 9.15 - 10.00	Polujfw Yxfhlya			Yxfhlva				-		11.15 - 12.00
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3.15 - 14.00 4.15 - 15.00 5.15 - 16.00 8.15 - 09.00 9.15 - 10.00	Polujfw Yxfhlya			Yxfhlva				- 3		1215 1200
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5.15 - 16.00 8.15 - 09.00 9.15 - 10.00	Yxfhlya	FCIUJIV	Polujfw	Abejzyy	Abejzyy	Abejzyy	Abejzyy	Abejzyy	Abejzyy	14.15 - 15.00
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	Pclujfw	Polujfw	Abejzyy	Abejzyy	Abejzyy	Yxfhlya	Yxfhlya	Yxfhlya	-	14.15 - 15.00
	Abejzyy	Polujfw	Polujfw	Polujfw	Abejzyy	Abejzyy	Abejzyy	Yxfhlya	Yxfhlya	15.15 - 16.00
	Aqpmaiv	Aqpmaiv	Aqpmaiv	Mysecrs	Mysecrs	Mysecrs	Mysecrs	Mysecrs	Mysecrs	08.15 - 09.00
	Mtuahp	Mtuahp	Mtuahp	Vtxlkt	Vtxlkt	Vtxlkt	Xwgzbv	Xwgzbv	Xwgzbv	09.15 - 10.00
0.15 - 11.00										10.15 - 11.00
1.15 - 12.00										11.15 - 12.00
2.15 - 13.00										12.15 - 13.00
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4.15 - 15.00	Abeizw	Poluifw	Pcluifw	Poluifw	Uubbcha	Abeizw	Abeizw	Abeizw	Bakszob	14.15 - 15.00
5.15 - 16.00		Abeizw		Abeizw	Yigycc				Jzybmy	15.15 - 16.00
8.15 - 09.00				Tchdflk	Tchdflk	Xdrocfd	Alexander Control of the Control of	A	Mysecrs	08.15 - 09.00
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	Bqkszob				Yigycc	- -				14.15 - 15.00
5.15 - 16.00	lkhjst									15.15 - 16.00
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