

 <p><b>Bournemouth University</b></p> <p>The Media Faculty of Media and Communication</p>	<h1>Coursework Assignment Brief</h1>		2017/18
	BSc SDAGE		Level 5
	Programming Paradigms		
	<b>Title of Brief: Presentation of a particular programming language</b>		This assignment is a formal element of coursework worth 10% of the overall unit mark (Each piece of coursework may vary according to the unit)

## THE BRIEF

The task is to create and then deliver at a workshop a presentation of a modern programming language (PL) of your choice. First, you have to choose a particular language out of a list of reasonably popular PLs that can be of interest to you and to your fellow students. Then you will explore some available sources, find and process the relevant information and devise your presentation. You are recommended to follow the following presentation structure:

- General description of the PL
- Its history
- Overview and distinctive features
- Example of the simplest program (“Hello, world” or similar)
- Example of a meaningful short program
- Live (interactive) demo session, if appropriate
- Target applications and user groups
- References (textbooks, tutorials, etc.)
- On-line resources
- Conclusions and recommendations

The presentation should include about 10-12 slides to be delivered during 15 – 20 minutes; 5 – 10 minutes Q&A session will follow.

### **A list of PLs to choose from (not exhaustive):**

- Ada, C#, Dart, Eiffel, Erlang, Fortran, F#, Go, Haskell, JavaScript, Julia, Lua, ML, Oberon, Perl, PHP, R, Red, Ruby, Rust, Scala, Self, Swift, Xojo.

### **Marking Scheme**

- Presentation 100% (10% of the whole PP Unit mark): quality of slides (the logic, structure, relevance of information, clarity, etc.) as well as of an oral delivery along with the answers questions will be assessed.

### **Note**

You must acknowledge your source every time you refer to others’ work, using the Harvard System (Author Date Method). Failure to do so amounts to plagiarism which is against University regulations. Please refer to [www.bournemouth.ac.uk/library](http://www.bournemouth.ac.uk/library) for the University’s guide to citation in the Harvard style. For more information, please read the code citation guide here <http://nccastaff.bmth.ac.uk/jmacey/NCCACodingStandard/Citation.html>

In addition to this any 3rd party code used in the programs must be suitably referenced.

### **Related Learning Outcomes**

- analyse and select the appropriate programming paradigm for the any given problem domain.
- apply concepts that underlie all contemporary programming languages and paradigms.

### **SUBMISSION DETAILS & DEADLINES**

- **By 12pm Tuesday 5<sup>th</sup> December 2017:** Notify Valery Adzhiev about your chosen language by email ([vadzhiiev@bournemouth.ac.uk](mailto:vadzhiiev@bournemouth.ac.uk)) with the Subject: 'PP presentation: Language chosen'.
- **By 12:00 Friday 2<sup>nd</sup> February 2018:** Submit pdf file (produced from ppt file) with your presentation through MyBU system.

### **WORKSHOPS**

- **30 November 2017:** Consultation Workshop.
- **30 January 2018:** Consultation Workshop before the final submission.
- **6 February, 13 February, 20 February 2018:** Workshops with presentations.

### **HELP AND SUPPORT**

- You must acknowledge your source every time you refer to others' work, using the **Harvard Referencing** system (Author Date Method). Failure to do so amounts to plagiarism which is against University regulations. Please refer to [www.bournemouth.ac.uk/library](http://www.bournemouth.ac.uk/library) for the University's guide to citation in the Harvard style. In addition you must also cite any 3<sup>rd</sup> part code used within the project using the coding standard here <http://nccastaff.bournemouth.ac.uk/jmacey/NCCACodingStandard/Citation.html>
- Students with **Additional Learning Needs** may contact Learning Support on [www.bournemouth.ac.uk/disability\\_support](http://www.bournemouth.ac.uk/disability_support).
- General **academic support** is available via the Academic Skills community on myBU.
- **Additional support** is provided by the School. International postgraduate students should contact Sue Court, all other undergraduate and postgraduate students should contact Marian Mayer via Christine Clack, to make an appointment. They are both based in W218.
- If you have any valid **mitigating circumstances** that mean you cannot meet an assignment submission deadline and you wish to request an extension, you will need to complete and submit the Mitigating Circumstances Form for consideration to your Programme/Framework Administrator together with appropriate supporting evidence (e.g., GP note) normally before the coursework deadline. Further details on the procedure and the mitigating circumstances form can be found at [www.bournemouth.ac.uk/student/mitigating](http://www.bournemouth.ac.uk/student/mitigating). *Please make sure you read these documents carefully before submitting anything for consideration.*
- Please be mindful that certain actions carry risk which should be adequately assessed before undertaking the activity. Please refer to University/Faculty guidance for clarification.

Disclaimer: The information provided in this assignment brief is correct at time of publication. In the unlikely event that any changes are deemed necessary, they will be communicated clearly via e-mail and myBU and a new version of this assignment brief will be circulated.

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