Issue Report

Site quality report for https://onl.kmi.open.ac.uk/ produced on January 13, 2025.

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| --- | --- | --- |
| Overall Quality |                                                   | 1 pages with quality issues |
| Errors |                                                   | 1 pages with broken links or other errors |
| Accessibility |                                                   | 1 pages with accessibility problems |
| Compatibility |                                                  | 0 pages with browser specific issues |
| Search |                                                   | 1 pages with search engine issues |
| Standards |                                                   | 1 pages have W3C standards issues |
| Usability |                                                   | 1 pages with usability issues |
| Totals |  | 61 URLs checked |

# Errors

This section shows site quality issues, including broken links and server mis-configurations.

## Priority 1

1 issues on 1 pages

 This page contains some spelling errors.

Click the word to add it to the dictionary. Click it again if you want to remove it.

screencasts furloughed <https://onl.kmi.open.ac.uk/> line 639

## Informative

These messages are for information only and do not indicate errors or conformance problems.

 The Check Page command does not check links or page weight.

To checks links or page weight on a single page use the Check Page and Links command.

Blocked Links

<https://onl.kmi.open.ac.uk/> line 1

# Accessibility

This section shows accessibility issues, indicating problems for older users, people with disabilities or accessibility needs. Automated testing cannot detect all accessibility issues, so should be used alongside human testing.

## Level A

5 issues on 1 pages

 Clickable controls should be keyboard accessible.

Add tabindex=0 to allow keyboard users to tab to the control.

[WCAG 2.1 A F15](https://www.w3.org/TR/WCAG20-TECHS/F15) [Section 508 (2017) A F15](https://www.w3.org/TR/WCAG20-TECHS/F15)

<https://onl.kmi.open.ac.uk/> line 481

 Clickable controls should have an ARIA role.

Controls that respond to clicks should be given an ARIA role such as role=button or role=link . div span and a elements without an href attribute have no semantic role.

[WCAG 2.1 A F54](https://www.w3.org/TR/WCAG20-TECHS/F54) [Section 508 (2017) A F54](https://www.w3.org/TR/WCAG20-TECHS/F54)

<https://onl.kmi.open.ac.uk/> line 481

 Headings should not be empty.

Add visible text to the heading, or alt text if the heading contains an image. Screen readers read out page headings, allowing users to quickly skip to a section, but some older screen readers do not ignore empty headings.

[ARIA 1.2 5.2.8](https://www.w3.org/TR/wai-aria-1.2/#heading)

<https://onl.kmi.open.ac.uk/> line 1008

 img elements must have an accessible name.

Add an alt attribute describing the image, which screen readers voice instead of the image. Spacer images and purely decorative images should use alt="" without any global ARIA attributes. Do not use alt text containing only spaces since that's voiced as an unlabeled image.
• NVDA 2023.3 Chrome 120 Windows 10 Reading: Image ignored.
• NVDA 2023.3 FF 115 Windows 10 Reading: Image ignored.
• NVDA 2023.3 Edge 120 Windows 10 Reading: Image ignored.
• JAWS 2023.2311.34 Chrome 120 Windows 10 Reading: Image ignored.
• JAWS 2023.2311.34 FF 115 Windows 10 Reading: Image ignored.
• JAWS 2023.2311.34 Edge 120 Windows 10 Reading: Image ignored.
• VoiceOver macOS 13.6 Safari 16.6 macOS 13.6.0 Reading: Image filename read out.
• VoiceOver iOS 16.6 Safari iOS 16.6 iOS 16.6.1 Touch: Image filename read out, along with OCR text from image.

[WCAG 2.1 A F65](https://www.w3.org/TR/WCAG20-TECHS/F65.html) [Section 508 (2017) A F65](https://www.w3.org/TR/WCAG20-TECHS/F65.html)

<https://onl.kmi.open.ac.uk/> line 597 625 682

 Links must have an accessible name.

• Add text between the a element start and end tags
• Add an aria-label attribute
• Add an aria-labelledby attribute
• Add an img alt attribute labeling the link if it contains an img element img elements with role=presentation or role=none are not included in the link's accessible name.

[WCAG 2.1 A F89](https://www.w3.org/TR/WCAG-TECHS/F89.html) [Section 508 (2017) A F89](https://www.w3.org/TR/WCAG-TECHS/F89.html)

<https://onl.kmi.open.ac.uk/> line 559

## Level AA

3 issues on 1 pages

 Cannot use aria-label or aria-labelledby on elements and roles that prohibit naming.

The div and span elements have an implicit role of generic and cannot be named unless they have a role attribute. The following roles cannot be named: caption code deletion emphasis generic insertion paragraph presentation strong subscript superscript

[HTML5](https://html.spec.whatwg.org/multipage/)  [ARIA 1.2](https://www.w3.org/TR/wai-aria-1.2/#namefromprohibited)

Element role: generic <https://onl.kmi.open.ac.uk/> line 1113

 Do not use the meta viewport tag to disable zoom.

Setting user-scalable=no or maximum-scale to less than 2.0 prevents zooming small text to make it readable. Note that iOS 10+ ignores this setting.

[WCAG 2.1 AA 1.4.4](https://www.w3.org/TR/UNDERSTANDING-WCAG20/visual-audio-contrast-scale.html) [Section 508 (2017) AA 1.4.4](https://www.w3.org/TR/UNDERSTANDING-WCAG20/visual-audio-contrast-scale.html)

<https://onl.kmi.open.ac.uk/> line 6

 The CSS outline or border style on this element makes it difficult or impossible to see the link focus outline.

Do not remove the default outline style, and change any border styles to avoid obscuring the focus outline around focusable elements. See :focus-visiblefor more information.
• Chrome (obscures the focus indicator on links, buttons, dropdowns and range controls)
• Firefox (obscures the focus indicator on links)

[WCAG 2.1 AA F78](https://www.w3.org/TR/WCAG20-TECHS/F78.html) [Section 508 (2017) AA F78](https://www.w3.org/TR/WCAG20-TECHS/F78.html)

outline-style:none or outline-width:0 outline-style:none or outline-width:0 outline-style:none or outline-width:0 outline-style:none or outline-width:0 outline-style:none or outline-width:0 <https://onl.kmi.open.ac.uk/> line 466 469 472 478 ...

## Level AAA

2 issues on 1 pages

 Avoid specifying a new window as the target of a link with target=\_blank .

Displaying new windows without warning can be very confusing to non-sighted and mobile users. Some screen readers and mobile devices give very little indication a new tab or window has opened. If you cannot avoid displaying a new window, insert an "opens in a new window" warning into the link text or add the warning to the link using a title attribute or aria-describedby attribute.

[WCAG 2.1 AAA F22](https://www.w3.org/TR/WCAG20-TECHS/F22.html)

<https://onl.kmi.open.ac.uk/> line 559 563 959 975 998 ...

 Link uses general text like 'Click Here' which doesn't explain link purpose.

Screen reader users often tab from one link to the next, or use the 'Next Link' command. Moving between links labelled 'click here' sounds like 'Click here, tab, click here, tab, click here'. Change the link text, or add an aria-label , so the link makes sense when read without the surrounding text.

[WCAG 2.1 AAA F84](https://www.w3.org/TR/WCAG20-TECHS/F84.html)

Link text: read more here <https://onl.kmi.open.ac.uk/> line 566 721 839 876 913 ...

## Informative

These messages are for information only and do not indicate errors or conformance problems.

 WCAG Success Criteria 4.1.1 is always satisfied for HTML and XML pages.

Since WCAG 2 4.1.1 was written, the HTML Standard has added requirements specifying exactly how browsers handle incomplete markup, incorrectly nested elements, duplicate attributes, and duplicate IDs. This means the "except where the specifications allow" condition in 4.1.1 is satisfied.

[WCAG 2.1 4.1.1](https://www.w3.org/TR/UNDERSTANDING-WCAG20/ensure-compat-parses.html)

<https://onl.kmi.open.ac.uk/> line 1

# Compatibility

This section shows pages that exhibit browser-specific behavior, or trigger browser bugs.

# Search

This section shows search engine guideline violations, and pages that don't comply with search optimization best practices.

## Priority 1

1 issues on 1 pages

 This page has more than one h1 element, which violates Bing webmaster guidelines.

Leave the title of the main content as h1 and change other h1 elements to a lower heading level.

[Bing](https://www.bing.com/webmasters/help/webmasters-guidelines-30fba23a)

<https://onl.kmi.open.ac.uk/> line 533 538 543 607 635 ...

## Priority 2

1 issues on 1 pages

 This page has more than one title element. Only the first title is displayed in search results.

Best Practice

<https://onl.kmi.open.ac.uk/> line 24 35

## Priority 3

1 issues on 1 pages

 No meta description tag found. Use a description tag that accurately describes the contents of a web page.

A well-written meta description attracts more clicks in search results than an irrelevant or missing description.

[Yahoo](https://help.yahoo.com/kb/search/search-content-quality-guidelines-sln2245.html)  [Google](https://support.google.com/webmasters/bin/answer.py?answer=35624#1)  [Bing](https://www.bing.com/webmasters/help/webmasters-guidelines-30fba23a)

<https://onl.kmi.open.ac.uk/> line 1

# Standards

This section shows pages that do not comply with W3C standards.

## Priority 1

10 issues on 1 pages

 An img element must have an alt attribute, except under certain conditions. For details, consult guidance on providing text alternatives for images.

[HTML5](https://html.spec.whatwg.org/multipage/images.html#alt)

<https://onl.kmi.open.ac.uk/> line 597 625 682

 Attribute mask-type not allowed on element.

[HTML5](https://html.spec.whatwg.org/multipage/)

<https://onl.kmi.open.ac.uk/> line 667 677 689 711 723 ...

 Bad value for attribute for .

[HTML5](https://html.spec.whatwg.org/multipage/)

An ID must not be the empty string. for= <https://onl.kmi.open.ac.uk/> line 174

 Bad value for attribute height .

[HTML5](https://html.spec.whatwg.org/multipage/)

Expected a digit but saw % instead. height=100% height=100% height=100% height=100% <https://onl.kmi.open.ac.uk/> line 312 333 354 375

 Duplicate attribute href .

[HTML5](https://html.spec.whatwg.org/multipage/)

<https://onl.kmi.open.ac.uk/> line 296

 Duplicate id - the same ID is used on more than one element.

[HTML5](https://html.spec.whatwg.org/multipage/)

id=navigation id=navigation <https://onl.kmi.open.ac.uk/> line 213 232

 Element title not allowed as child element in this context.

[HTML5](https://html.spec.whatwg.org/multipage/)

<https://onl.kmi.open.ac.uk/> line 44

 Reference to non-existent ID.

[HTML5](https://html.spec.whatwg.org/multipage/)

id= <https://onl.kmi.open.ac.uk/> line 174

 Text not allowed.

[HTML5](https://html.spec.whatwg.org/multipage/)

<https://onl.kmi.open.ac.uk/> line 45

 The value of the for attribute of the label element must be the ID of a non-hidden form control.

[HTML5](https://html.spec.whatwg.org/multipage/)

<https://onl.kmi.open.ac.uk/> line 429

## Priority 2

5 issues on 1 pages

 aria-required is unnecessary for elements with a required attribute.

[HTML5](https://html.spec.whatwg.org/multipage/)

<https://onl.kmi.open.ac.uk/> line 418 422 426

 Cannot use aria-label or aria-labelledby on elements and roles that prohibit naming.

The div and span elements have an implicit role of generic and cannot be named unless they have a role attribute. The following roles cannot be named: caption code deletion emphasis generic insertion paragraph presentation strong subscript superscript

[HTML5](https://html.spec.whatwg.org/multipage/)  [ARIA 1.2](https://www.w3.org/TR/wai-aria-1.2/#namefromprohibited)

Element role: generic <https://onl.kmi.open.ac.uk/> line 1113

 Consider using the h1 element as a top-level heading only.

 h1 elements are treated as top-level headings by many screen readers and other tools.

[HTML5](https://html.spec.whatwg.org/multipage/)

<https://onl.kmi.open.ac.uk/> line 607 635 664 692 779 ...

 Section lacks heading.

Consider using h2 - h6 elements to add identifying headings to all sections, or else use a div element instead for any cases where no heading is needed.

[HTML5](https://html.spec.whatwg.org/multipage/)

<https://onl.kmi.open.ac.uk/> line 557 575

 The navigation role is unnecessary for element nav .

[HTML5](https://html.spec.whatwg.org/multipage/)

<https://onl.kmi.open.ac.uk/> line 463

# Usability

This section shows general usability issues, indicating navigation problems for all users.

## Priority 1

1 issues on 1 pages

 Users should be able to quickly look at each link and tell where it goes.

Don't use generic link labels like "click here" or "read more" because they're hard to tell apart when users scan a page.

[Usability.gov 10:1](https://www.powermapper.com/products/sortsite/rules/usegov10.1/)

Link text: read more here read more read more read more <https://onl.kmi.open.ac.uk/> line 566 721 839 876 913 ...

## Priority 2

2 issues on 1 pages

 Omitting img width or height attributes makes the page layout jump about as images load.

This makes the page very hard to read or click while it's loading. Fix by adding width and height attributes to the img tag matching the image dimensions. In responsive layouts, specifying width and height prevents layout jumping because the browser can pre-calculate the final image size when CSS like this is used: img { max-width: 100%; height: auto }

[Usability.gov 14:3](https://www.powermapper.com/products/sortsite/rules/usegov14.3/) [W3C](https://developer.mozilla.org/en-US/docs/Web/Media/images/aspect_ratio_mapping)

<https://onl.kmi.open.ac.uk/> line 597 682 999 1010 ...

 The img width and height attributes don't match the actual image size. This means the image will be distorted or resize during loading.

[W3C](https://developer.mozilla.org/en-US/docs/Web/Media/images/aspect_ratio_mapping)

Image https://onl.kmi.open.ac.uk/onl-data/uploads/2018/08/alice.jpeg actual dimensions: 295 x 295 pixels. <https://onl.kmi.open.ac.uk/> line 976

## Priority 3

2 issues on 1 pages

 Use at least a 12-point font on all web pages.

• <p style="font-size: 11pt;" >
• <p style="font-size: 15px;" >
• <p style="font-size: small;" >
• <font size="2" >
• <font size="-1" >

[Usability.gov 11:8](https://www.powermapper.com/products/sortsite/rules/usegov11.8/)

<https://onl.kmi.open.ac.uk/> line 77

 Use italic text sparingly - for one or two words or a short phrase.

Keep runs of styled text to less than 70 characters. When used well, styled text draws attention to important words, but also decreases reading speed by almost twenty percent.

[Usability.gov 11:10](https://www.powermapper.com/products/sortsite/rules/usegov11.10/)

<https://onl.kmi.open.ac.uk/> line 721

## Priority 5

1 issues on 1 pages

 Capitalize the first letter of the first word in lists.

Only the first letter of the first word should be capitalized unless the item contains another word that would normally be capitalized.

[Usability.gov 12:9](https://www.powermapper.com/products/sortsite/rules/usegov12.9/)

<https://onl.kmi.open.ac.uk/> line 731 732 733