## The Arabic script

We expect you to have some knowledge of the Arabic script at the start of the course: if you don't you will really struggle. We're not expecting fluent reading, but an ability to recognise the letters and to work out the pronunciation of words when vowels are written. To help with this, the following is a brief introduction covering all aspects of the script, which you may like to work through, but you can of course use a book or any other way of learning it. If you need more practice on any particular item, a good book to use is Wightwick, J, and Gaafar, M. Mastering Arabic Script or Mastering Arabic, but any introductory textbook to Standard Arabic will cover this ground. We will have a session at the beginning of the year to go over some of the material from this worksheet and answer any questions you have.

If you use this introduction, we would strongly recommend working through each exercise once, then go through it again, pronouncing the word aloud. Then perhaps read it through again. There is a lot of repetition, with the aim of helping you to get comfortable with the script and some of the vocabulary and phrasing, to help reduce the cognitive load at the beginning of the year, when you will have to cope with new squiggles, new sounds and unrecognisable words, all at the same time. For the same reason, spacing this out over a period of months will be more useful than cramming it into the last week before you come. The vocabulary in bold below will appear fairly early on in the course. We will go over it as it comes up, but familiarising yourself with some or all of these words beforehand will make things easier for you, giving you less to learn later and allowing some things to settle and be more integrated before the course starts. All of the words here are used in both Standard and Colloquial Egyptian Arabic, the dialect we teach in the first year, except those words marked with an asterisk, which occur only in Standard Arabic.

If you would like anything checked or have any other questions, please feel free to contact Dr Rachael Harris (rmh1001@cam.ac.uk) in the Department. Any suggestions for improving this worksheet would be very much appreciated!

## 1. The alphabet

Arabic letters are almost always written joined up. So each has a basic shape, a way of connecting it to preceding and subsequent letters, and a tail - a final flourish for when it is written alone or at the end of words.

This means that each letter has up to four shapes：at the beginning，middle and end of a word，and in isolation． Writing is right to left．

Handwriting：for most Arabic letters just copying the printed form will give you a good handwritten version， and for these there are no notes on how to do it．Where it＇s not obvious which order to do the strokes in，there are notes on this at the end of the exercises to help you get into good habits from the start．A few letters have very different handwritten and printed forms，but you can just keep to the printed form for now．As in English， you write a string of letters in one continuous line without lifting the pen off the paper until you get to the end of the word，or to a letter that doesn＇t join onto the following one．Then you go back and add in the dots，and sometimes extra lines to the shape of the letter itself．

| Transliteration | Final | Medial | Initial | Alone | Name |
| :---: | :---: | :---: | :---: | :---: | :---: |
| à（long＇aa＇－only a vowel，not a | L | $L$ | 1 | 1 | أَلف |
|  |  |  |  |  | sonant） |
|  | ب | $\div$ | $\cdots$ | ب | باء |
|  | － | ت | ت | ت | تاء |
| th（as in＇thin＇） | ث | ث | $\pm$ | $\star$ | ثاء |
| j | T | $\cdots$ | $\cdots$ | T | جيم |
| H | $\tau$ | $\sim$ | $\sim$ | $\tau$ | حاء |
| kh | $亡$ | خ | خ | $\dot{\text { c }}$ | خاء |
| d | 1 | $\perp$ | $\lrcorner$ | 」 | دال |
| dh（like the＇th＇in＇the＇） | i | 广 | j | j | زال |
| $r$ | J | J | J | J | راء |
| z | j | j | j | j | زاي |
| s | س | －m | سـ | س | سين |
| sh | ش | ش | شـ | ش | شين |
| S | ص | － | ص | $ص$ | صـاد |
| D | ض | － | ض－ | ض | ضـاد |
| T | b | b | ط | b | طاء |


| DH | ظ | 上 | ظ | ظ | ظاء |
| :---: | :---: | :---: | :---: | :---: | :---: |
| $\varepsilon$ | $\tau$ | $\cdots$ | ع | $\varepsilon$ | عيّن |
| gh | c | － | غ | $\dot{\varepsilon}$ | غَيْنِ |
| f | ف | － | فـ | ف | فاء |
| q | ق | － | ق | ق | قاف |
| k | ك | $\leq$ | S | ك | كاف |
| 1 | $\downarrow$ | $\perp$ | 」 | 」 | لام |
| m | $\ulcorner$ | － | － | $\bigcirc$ | ميم |
| n | － | － | － | ن | نون |
| h | 4 | 6 | $\rightarrow$ | $\bigcirc$ | هاء |
| w or ū（long＇uu＇like the＇oo＇in＇too＇） | 9 | 9 | ง | ง | واو |
| y or ī（long＇ii＇like the＇ee＇in＇see＇） | － | $\stackrel{\square}{-}$ | $\checkmark$ | ي | ياء |

＊The six letters l ا، لـ ، ذ، ر، ز، و never join to following letters．
Note：When 1 （＇alif）follows $ل$ they are written $\vee$＇if not joined to a previous letter and $\mathcal{X}$ if joined．

## 2．Vowels：

Short vowel signs go above or below the consonant they follow．In most texts they are not written，except to clarify ambiguities：



Long vowels are written after the consonant they follow：$L=a a ; \Omega=u u ; \quad$＝ii．
و and can also represent diphthongs：$\quad$ و＝＝aw；＝＝ay

Exercises 1，3， 5 \＆ 7 work through the alphabet gradually introducing all of the letters．Try to remember the words in bold，the others are just for reading practice．Work your way through them as far as you find useful． Question marks in place of the meaning mean that you might be able to guess it from English or from what has gone before（answers in the footnotes）．Exercises 2，4， $6 \& 9$ are to help to reinforce the words in bold，and give some beginnings of putting words together．

Exercise 1. Read the following, starting on the right:
بَنات girls
our daughter بَنْتا
between us بَيْنـا
نَبَي" prophet
girl
بابي my door
our house بَتْتِ
he builds * يَنْني
my daughters بَناتي بَنَيْنا we built
door باب house
my daughter بنتي
our daughters بَناتنا

Note: the sign" means that the consonant is pronounced double, like the $t+t$ in 'hot tea'. See section 4 below.
Japanese يابانيّ $\quad$ she built

* بَت
we build * نَبْني
تَبْني*
and ...
بـابنا

Note: C is always written as part of the following word, e.g بابي وَبنتي


You use كتابكَ كَك for 'your book' to men/boys and كتابك to women/girls. F. and m. are 'feminine' and 'masculine'.

| I slept نمْت | he slept نام | I was كُتْ | كان he was |
| :---: | :---: | :---: | :---: |
| what ما | *كّ | buildings بنايـات | complete, OK تَمام |
| لِلْنْان | place مكان | possible مُمكِّ | يَمِنيّ |
| no لا | مال money, wealth | كلْبِ | مكلك king |

(See the note at the end of the alphabet if you're not sure what this last one is.)
Libya ليـيا
كُلوك kings كلاب dogs
كَلام $\left.\begin{array}{r}\text { كيْلَ }\end{array}\right)$
night
بال

Notes on writing:

1) Since you don't lift pen from paper until there's a break, the letter 'alif' in a word like بـاب is written upwards, not downwards. It's written downwards when not joined to anything in front.
2) و Start writing at the point where the lines join and form the circle going left first then up, right, down.
3) C م In isolation: start at the top left.

At the beginning of a word or group of letters: start at the point where the lines join and go either way
round.
ـ In the middle: in handwriting the loop goes under the line, not above it as in print.
$\sim^{\text {At the end of a word: do a loop downwards, as with the form in the middle, then carry on a bit left then }}$ down for the tail.
4) $\boldsymbol{S}$ At the beginning of a word or group of letters, if you think of the shape as like a leg and foot with the knee pointing left, start at the knee and go down. When you've got to the end of the word or the letter group, go back and add the top diagonal stroke, downwards.
S In the middle, start at the bottom right where the line comes in, go up to the 'knee' and down again, then carry on with the line. Add the top diagonal afterwards.
5) ل On its own: do the J as a downstroke finishing on the left side of the letter. Then do the alif as a separate downstroke in a steep diagonal down from the top left of the letter to where it meets the $ل$.
$\mathcal{L}$ Joined to a previous letter: similar but go up into the $ل$ first.

Exercise 2. A pause. a) Do you remember what the following mean? (Answers ${ }^{2}$ )

b) Given some of the words above, what do the following mean? (Answers ${ }^{3}$ )


Exercise 3. Some more letters:

| بالاد country | بلد | دين religion | ولكّ boy |
| :---: | :---: | :---: | :---: |
| dollars دولارات | dollar دولار | لَنْدن | والد |
| بَيْروت Beirut | دار house | بريد post | cold بارد |
| fire نار | light | كَريم وكريّ | كَير* |
| excellent مُمتاز | كومبيوتر ? | كَكَدا ? | نيو يورك |
| زَيْنب | وزير minister | I visited | he visited زار |
| Mohamed محَمّ | sea بَحْرِ | حبيب beloved | حب love |
| milk لَبْ | under تَحْ | حَياتي | Mahmoud مَحْمود |
|  | جَميل | Mubarak مُباركّ | حُسنْ Husni |
| حاجّ | pilgrimage حَحّ | it is necessary* | واجب |
| marriage | زوَوْج | he needs *حَّنا | hot حار |



Notes on writing:
6) Note the difference between $\lrcorner$ and $\jmath$. This shows up in particular when they're joined to the previous letter. $\perp$ starts at the level of the line, goes up and comes back down the same way. $\boldsymbol{\mu}$ starts on the level of the line and only goes up a little before going down. It's also curved rather than angled like. . Same for $j$ and $j$. 7) $\dot{\text { خ }}$ ، These are different in handwriting. For the moment just copy the printed form, which means that they're the only exception to the rule that you don't lift the pen off the paper until you get to a gap.

Exercise 4. Another pause: what do the following mean? Note that a singular noun on its own generally translates as 'a such-and-such', e.g. ولَّلَ can be translated as 'a boy'.

 بَين بنت وَوَلَد. (5Answers)
Exercise 5. More letters:


Notes on writing:
8) ( b (and Wherever it is in the word, start with the loop. If there's no letter before this, you start at the left of the loop and go rightwards and up, then back down and along the bottom. The 'stick' is added on as a downstroke at the end, after you've got to the end of the line of letters if there is one, or even if you're writing the letter on its own.
h In the middle of a word the line comes in from the right, continues along the bottom, then loops up and back, then down and round and back to continue the line towards the left.
9) (and $\dot{\varepsilon}$ ) In the middle of a word, the right, then diagonally down to the left, forming a triangular shape.
$\simeq$ At the end of a word, it's the same, but with the tail coming down from where the two lines cross.

Exercise 6. What do the following mean? (Answers ${ }^{6}$ )


Exercise 7. The last group of letters:


Notes on writing:
10) $\Delta$ (and $\ddot{z}$ - see section 3 ) In isolation, start at the top and go down the right side of the circle and up the left.

ه At the beginning of a word or letter group, start by doing a backwards ' C '. When you reach the bottom of the letter, on the line, do a smaller loop upwards that tucks under the left-hand end of the ' C '.
\& In the middle of the word the commonest way to write this is by doing a diagonal leftwards stroke down below the line, then a vertical stroke back up to the line, the two making a sharp point, a 'v' shape a bit like an inverted shark's fin. It goes below the line about the same distance as the s and similar letters go above the line.
$\&$ At the end of a word, start with the line going vertically upwards, then do the semi-circle round and down to the left. There isn't an extra bit sticking up on the vertical line in the handwritten version.
11) (ض) صـ and In isolation and at the beginning of a word, start at the point where the lines join and go up and rightwards then down and leftwards along the line to complete the loop. Then do a 'tooth', a little sticking up line to finish the letter. At the end of the word, the tail comes straight down from this 'tooth'. ـ to the point where the lines join. Then go up and back to the right to form the loop, down and back along the same line to complete it. The rest is as above.

Exercise 8. Match these Arabic words with their English meanings: (Answers7)
a) telephone
g) Arabs

Y Yَ Y Y Y
r.

d) cat
h) film

b) Muslim
i) felafel

c) sugar
j) cinema
. ا. عرب
e) bank
k) doctor (title)
ا1. فـلْم
0. قطّ
f) camel
7. فلاذل

Note: you will also find it useful to learn the Arabic way to write numbers. They go left to right. Note that $\wedge$ is written in one pen movement, starting at the bottom right.

Exercise 9. Here are some sentences. Note that in this kind of sentence the verb 'to be' is not used, so هو
 feminine words respectively. (Watch out for names!) (Answers ${ }^{8}$ )



 ع. هُوْواجِبِجديد.
 0. هُوْوَلَد مَحَقَلَم.

7. مُحمَّ رَجُلجَمِيل.

ع ا. واجِبكَصَعب.
V. هِيَمنَ سوريا.

## 3.

The letter $̈$ as on the end of the word ' فَتْصة' ' (the 'a' vowel) is called تاء مرَبْوطة (taa' marbuuTa) and is a combination of $\Delta$ and $ت$. It is always preceded by فَتْحة (' $a$ ') (occasionally a long 'aa') and the two together are mostly pronounced just ' $a$ ', but when in close connection with the following word (to be explained later), or when reading aloud with full vowelling, $\ddot{L}^{-}$is pronounced 'at'.

Exercise 10. Read the following, pronouncing the $\ddot{z}$ as ' $a$ ':

Exercise 11. Using the further vocabulary given here, read and translate the phrases below.
( جامعة كَيِرة means 'a big university'.) Note that adding ö to the end of a word generally makes it feminine: طـالِّة a female student; جَيدة new (feminine). What are the rules for agreement in gender? (Answers ${ }^{9}$ )

| عربِبيّ Arab, Arabic | غرِّرْة |
| :---: | :---: |
|  | 1. طالِب عَرِيّ |
| . 1. مُرسِّ جِيدة | Y. طالبة عربيّة |
| 11. كتاب عَربيّ | 「. |
| Y 1 | ع. طالبجَيد |
| ٪! . | 0. عَمَلصِبِ |
| ع1. قَلَمصَفِير | 7. جامِعة صِغيرة |
| 10. مَرِسّة جِميلة | V. V. |
| 17 17 غُرفة صَغيرة | ^. غُرفة صَغيرة |

4. 

The sign "is called شَدَة" 'shadda', and when written above a consonant makes it double, e.g. سُكّر 'sukkar' above. Note that a كَسَرة ('i' vowel) with a شدة may be written under the consonant as usual, or above the consonant but under the شدة , but it is generally clearer to use the first method. شدة is usually not written in unvowelled texts.

Exercise 12.

|  |  |  |  |
| :---: | :---: | :---: | :---: |
| fice worker | مدرس teacher | he taught | he |

Exercise 13. Read the following - if you prefer a pictorial presentation, see Alif Baa pp.116-8 and 113-4!


Exercise 14. True or false? (translations ${ }^{10}$ )
(The oz in is pronounced '-at' here: 'the city of ....'. (فَينة means: 'There is a university in London.'

Y. مَدينة لَنْدَن قَريبة مِن لييا.


ع. جامِعة كَمبريد جِديدة.

7. في جامِعة كَمبريد جَكَتَبِ كَير.
5.8
a) The $\operatorname{sign} \varepsilon$ is called ${ }^{\text {ه }}$ 'hamza', and is pronounced as a glottal stop and transliterated here with an apostrophe. It may be written on its own, as in the letter names given above, or above an l, a و or a م
 There are rules for which "كُرسي to use when, and the easiest of the rules is given below, but for the moment you mainly need to recognize the همزة when reading. In careful writing or printing, even of unvowelled texts, the هُمزهة is always written.

Exercise 15. Read the names of the letters of the alphabet.
 and under the أَلِفَ if the vowel is كَسْرة (i'i').

Exercise 16. Read the following:

| سuestion سؤال | أَكْلْ food | ما | أُستاذ lecturer |
| :---: | :---: | :---: | :---: |
| presidents رؤَسِا | رئيس president | muezzin مُؤذّنِّ | imam إمام |
| أَنْت) | أَنْتْ | أَنا | أَوْلْاد |
| white أَبْضِ | black أَسْوْ | أُستاذة ? ${ }^{11}$ |  |
| أَب father | mother ${ }^{\text {آمُّ }}$ | Israel إسنرائيل) | brother $\dot{\chi}^{\text {أ }}$ |

## 6. Three kinds of long 'aa': a) ī b) $\mathcal{\varepsilon}$ c) '

Exercise 17.
a) When an أَلَف هُمْزة would be followed by another أَلف هُمزة or أَلْ the two together are instead written as


مرِّآة now ne nelieved آلآن
b) On some words a final long 'aa' is written as without dots, called ياء walif maqSuura'. When an ending is added to such a word, so that the $ی$ is no longer final, it changes to an ordinary أَلْ (أَلْ طَويلة:

مُنْى Mona

to إلى
he bought it إشتراهر
on عَلى
he bought اشْتَرى
c) ‘Dagger alif': a miniature أَلف written above a letter in a few words, indicating the long 'aa' vowel:

$$
\begin{aligned}
& \text { that ز'لكَ* } \\
& \text { this (fem.) هذها هـه this (masc.) }
\end{aligned}
$$

The مَدّة and the dagger alif are not written in unvowelled texts.

Exercise 18. Some revision, and some new words to learn: (translations ${ }^{12}$ )


Exercise 19. A pause. What do the following sentences mean? All the words are in bold somewhere above.
(Answers ${ }^{13}$ )


From here on we'll go over this thoroughly in class, so it's up to you how much of it you take on board now.
7. الـ
a) هَمزة الوَصـْل

In some Arabic words, of which the commonest is the definite article الْ همَزة al- (= 'the'), the the beginning is not an essential part of the word, and neither it nor the vowel it carries are pronounced when there is a vowel at the end of the preceding word: الجامِعة 'al-jaamiع a 'the university'; إلى الجِامِعة 'ila l-jaamiعa 'to the university' (long vowels are pronounced short before two consonants); في الجامععة fil-jaamiea 'in the
university'. In these cases a هَمزَة is not written, and in very carefully written texts such as القُرْآن is the أَلْف is
 it's worth keeping practising - in the end they become automatic, and they apply in colloquial spoken as well as written Standard Arabic.

Exercise 20. Here are some common words that begin with هُمزة الوَصسل:


Read the following aloud, remembering that if there's a vowel before the هُمزة الوصـل that vowel needs pronouncing in place of the هـمزة and the vowel it carries: (translations ${ }^{14}$ )
أ) رَجُلوَامْرَأة؛ أَنا اسمي سـارة. أَنا مِن سـوريا وَاسنْي مَحمود. هذِه امْرَأَعرَبِيّة.

Remember also to shorten any long vowel before الـ
ب) في الواجِب، إلى الجامِعة، هِذِهِ الأُستاذة (this lecturer)، في الغُرفة، مِنَ المَدَسِـة إلى الجامِعة، مَعَّ العَمَل، القَلَّعَلَى الكِتاب، في المَدينة.
هُذا أَنا مِنَلَّدْهِ المَدَينُة. الغُرفة.
b) الحُروف الشَمْسيّةُوالقَمرِيـّة sun and moon letters

With words beginning with certain letters the ' 1 ' of is not pronounced, and instead the first letter of the word that follows it is pronounced double: الدرس 'ad-dars. In fully vowelled texts, a شدة is written over the to show this doubling, but the الـ الـ itself is written the same. The set of letters which behave like this with are, roughly speaking, those pronounced with the tongue against the teeth or in that area of the mouth, and

ت، ث، د ، ذ، ر، ز، س، ش، ص، ض، ط، ظ، ل، ن

The other consonants, those which do not affect the pronunciation of the الحُروف القَمرَيّة are , الـ moon letters', because قَمَر 'moon’ begins with one of them. They are either pronounced further forward in the mouth than الحُروف الشّمْسـيّة, i.e. with the lips: بَ، ف، م، و; or further back in the mouth:
ج، ي، ك، خ، غ، ق، ح، ع، ه، أ
(in order of how far back in the mouth they are pronounced).

Exercise 21. Read the following aloud, preferably several times each. Usually if you write a vowel on a letter with a shadda, you also need to write the shadda, but the shaddas on sun letters are missing here.
(Translations ${ }^{15}$ )
 الاسِم، الكَيِر، الصَغير، المَدَينة، القَلَم، الكتاب، النور، الواجِب، السيؤال.




## 8. One letter words

These are always written as part of the following word, and never stand alone:
thus, and then $\quad$ for, to, belonging to $\underset{\text { Gl }}{ }$

Note: when is written with a word beginning with ألـ ألـ is is dropped:
لــ + الـــ > للـ

Exercise 22. (Translations ${ }^{16}$ )


Grammatical terms:
Our current students have suggested that you will also find it helpful to have some familiarity with grammatical terms in English if you don't already, e.g. adverb, preposition, conjunction, subject, predicate, object, active, passive, transitive/intransitive verbs, suffix, participle, infinitive, relative clause, conditional sentence.

Answers

1. our door
2. Ex. 2 a) door, book, Libya, from, girl/daughter, no, your (f.) book, between, from, door, no, girl/daughter, book, possible, my door, my daughter, what, your (m.) book, an office and a door.
3. Ex. 2 b) my book, our house, my daughter, your (m.) book, your house, our office, our daughter, your (f.) book, our door,
your (f.) book.
4. كنيو يورك = New York; Canada; كومبيوتر = computer
5.Ex. 4 no, big, light, an office, homework, from, a man and a boy, a book, a girl, my homework, new, a door, beautiful/
handsome, a handsome boy, a new book, a big office, from a man, a new light, a big book, a boy and a girl, sun, your (m.)
door, between a girl and a boy.
5. Ex.6: a beautiful office, a new student, a beautiful girl, a pen and a book, no, a boy with a student, a big pen, your (f.) pen, a man in an office, a new pen and a beautiful book, our student and my work, sun $7 . E x .8$ a) 8 , b) 9 , c) 7 , d) 5 , e) 2 , f) 3 , g) 10 , h) 11 , i) 6 , j) 1 , k) 4 .
8.Ex. 9 1. He's a boy. 2. Mahmoud is a student. 3. It is difficult work. 4. It's new homework. 5. He is a boy with a pen. 6. Muhammad is a handsome man. 7. She is from Syria. 8. Yasir is a small boy. 9. It is a small book from Syria. 10. She is a girl from London. 11. They are from Libya. 12. It is a beautiful morning. 13. Our student is new. 14. Your homework is difficult.
9.Ex. 11 1. an Arab student (m.) 2. an Arab student (f.) 3. a new room 4. a new student (m.) 5. difficult work 6. a small university 7. a new morning 8. a small room 9. a Muslim student (f.) 10. a new school 11. an Arabic book 12. an Arab girl 13. a big Arabic university 14. a small pen 15. a beautiful school (f.) 16. a small room
10.Ex.14. 1. The city of Beirut is in France. 2. The city of London is near Libya. 3. The city of Cambridge is small. 4. The

University of Cambridge is new. 5. In the city of London (there) is a big university. 6. In the University of Cambridge (there)
is a big office.
11. Female lecturer
12.Ex.18. Egypt, question, city, small, yes; no

I; you (m.); you (f.); he; she
this (m.); this (f.); but; Allah
13. Ex.19. 1. This is a small/young man. And he is (a) Muslim. 2. This is a small city. 3. This is a small school and this is a difficult book. 4. This is an Arabic lecturer (f.). And she is new. 5. This is a big room with an office/desk. 6. He is a lecturer in the University of London and he is from Syria. 7. Are you a new student? - No. I am a student from an Arab university.
8. This is a difficult question. 9. It is a new room.
14. Ex.20. أ) a man and a woman; My name is Sara. I'm from Syria and my name is Mahmoud. This is an Arab woman. ) in the homework, to the university, this lecturer (f.), in the room, from school ( $=$ the school) to university, with the work, the pen is on the book, in the city.
On this desk (there) is a difficult book.
The door in the school is new.

I'm from this city.
This boy is in the room..
15.Ex.21. أ.) the sun, the student (m.), the light, the morning, the lecturer (m.), the girl, the office, the question, the boy, the room, the man, the door, the student (f.), the name, the big one, the small one, the city, the pen, the book, the light, the homework, the question.
ب) in the sun, to the student (f.), to the school, the man and the woman, in this question, this morning, to the university. She's the student, and I'm the lecturer (m.). You are the man. I'm at (the) university. The student (m.) is with the lecturer. The book and the pen are on the desk in the room.
16. Ex.22. to the lesson; for/belonging to the university; as a student; and the room; by car

